

West Northamptonshire Joint Core Strategy SA Addendum: Final Report (December 2013)

Appendix 6

SA Matrices for the Northampton SUE Options

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Northampton Site Options

SA03 Northampton South of Brackmills SUE

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The northern part of this site is within close proximity of the southern area of Brackmills Industrial Estate; therefore a minor negative effect is likely in relation to noise effect on new residents/employees in that part of this site.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one running along the A45 London Road approximately 1km to the west; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The north western tip of the site is adjacent to the Hardingstone Village Conservation Area which includes a number of listed buildings. This area is classed as being of high sensitivity in terms of cultural heritage, therefore an uncertain significant negative effect is likely, as there is potential to affect the setting of the heritage assets. The site also contains an area classed as being of medium sensitivity.</p> <p>It is noted that Wootton Village Conservation Area, which also includes listed buildings, is approximately 950m to the south west and there are a number of other scattered listed buildings within 1km of the site, mainly to the west. Approximately 730m to the north west lies a Registered Battlefield (from the Battle of Northampton, 1460).</p>
3. Biodiversity, flora and fauna			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>There are a number of potential Local Wildlife Sites within 1km of this site, including one that is adjacent to the boundary of the site. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development which will not be known until a later stage.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand;</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is within reasonable walking distance of four Primary schools the two closest of which are Hardingstone Primary School 350 m to the west and Preston Hedges Primary School 470m to the south. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to one footpath. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			location of new development will not affect the achievement of that element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>This site is within an area that is classed as being of high to medium sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and	• Development which delivers an appropriate mix		The provision of housing is addressed separately under SA objective 10

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
maintain a balanced and sustainable population structure with good access to services and facilities.	of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure.	+	above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>An area in the western part of this site is classified as being Grade 2 agricultural land, with the remainder being Grade 3. Therefore, development of this site would have a minor negative effect on preserving soil quality. The site is mainly greenfield which would contribute further to the likely negative effect identified.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re- 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
recycling and achieve the sustainable management of waste.	cycled materials and make provision for recycling / composting in all new development? <ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site is outside of flood zones 2 and 3; therefore development here will have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA03 Northampton South of Brackmills SUE & SA53 Land east of the South of Brackmills SUE (combined)

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>d) Reduce the need to travel and facilitate modal shift.</p> <p>e) Reduce/minimise the potential increase in congestion.</p> <p>f) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The northern part of this site is within close proximity of the southern area of Brackmills Industrial Estate; therefore a minor negative effect is likely in relation to noise effect on new residents/employees in that part of this site.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one running along the A45 London Road approximately 1km to the west; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>b) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The north western tip of the site is adjacent to the Hardingstone Village Conservation Area which includes a number of listed buildings. This area is classed as being of high sensitivity in terms of cultural heritage, therefore an uncertain significant negative effect is likely, as there is potential to affect the setting of the heritage assets. The site also contains an area classed as being of medium sensitivity.</p> <p>It is noted that Wootton Village Conservation Area, which also includes listed buildings, is approximately 950m to the south west and there are a number of other scattered listed buildings within 1km of the site, mainly to the west. Approximately 730m to the north west lies a Registered Battlefield (from the Battle of Northampton, 1460).</p>
3. Biodiversity, flora and fauna			
<p>d) Maintain and enhance the structure and</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and 		<p>There are a number of potential Local Wildlife Sites within 1km of this site, including two that extend within the boundaries of the site itself.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>e) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>f) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>b) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>c) Improve educational attainment and promote lifelong learning.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
d) Promote sustainable modes of travel to access education.	associated with new residential developments. <ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 	+	objective. The site is within reasonable walking distance of four Primary schools the two closest of which are Hardingstone Primary School 350 m to the west and Preston Hedges Primary School 470m to the south. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.
6. Energy and climatic factors			
e) Continue to improve energy efficiency of dwellings. f) Continue to increase the provision of 'affordable warmth'. g) To decrease the dependency on oil for space heating. h) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
b) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles. The site is within reasonable walking distance of several green amenity spaces and is connected to one footpath. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility. This site is not within or adjacent to an AQMA. All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			element of the SA objective.
8. Labour market and economy			
b) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
c) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. d) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>This site is within an area that is classed as being of high to medium sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
b) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
b) To develop and maintain a balanced	<ul style="list-style-type: none"> Development which delivers an appropriate mix of housing including affordable housing and 		The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
and sustainable population structure with good access to services and facilities.	<p>appropriate housing for older people in locations close to local services/facilities.</p> <ul style="list-style-type: none"> • Appropriate community, social and transport infrastructure. 	+	It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
b) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
b) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>An area in the western part of this site is classified as being Grade 2 agricultural land, with the remainder being Grade 3. Therefore, development of this site would have a minor negative effect on preserving soil quality. The site is mainly greenfield which would contribute further to the likely negative effect identified.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
b) To reduce waste generation and disposal, increase recycling and	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
achieve the sustainable management of waste.	/ composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste?		sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
e) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. f) Reduce risk of flooding. g) Improve efficiency of water use. h) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	• Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)?	0	Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites. It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site is outside of flood zones 2 and 3; therefore development here will have a negligible effect on this objective. It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.

SA04/NJO12: Northampton Upton Park SUE

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The northern boundary of this site buffers the A4500 Weedon Road; therefore a minor negative effect is likely in relation to noise effect on new residents/employees in the north of this site.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 2km to the east; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>Part of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are significant areas within the site mainly in the eastern half of the site which are classified as 'Medium Sensitivity'. There is also a small section of the northern boundary which is classified as 'Low Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>However, in the south eastern corner of the site there is a Scheduled Monument (Deserted Medieval Village) and is identified as an area of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that the western edge of the site is within 250m of Kislingbury Conservation Area which includes a number of listed buildings. St Crispin Hospital Conservation Area is approximately 500m from the site to the north and Duston Village is around 950m to the north east, both of which also containing listed buildings and there are a number of other listed buildings within close proximity of the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>Upton Pasture Local Wildlife Site is located adjacent to the southern boundary of the sites, and Bottom Spinney Local Wildlife Site extends within the boundaries of the site itself. There are also a number of Potential Local Wildlife Sites within 1km of this site, including one that extends within the boundaries of the site itself. Duston Mill Meadow Local Wildlife Site is located around 850m to the east, and Storton's Gravel Pits Local Wildlife Site (also designated a Storton's Pits Local Nature Reserve) lies immediately beyond that, around 950m from the site.</p> <p>Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<p>qualification levels and participation in education and training.</p> <ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 		<p>or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>This site is within walking distance (800m) of a number of schools - Upton Meadows Primary School is located approximately 310m to the east of this site and Kislingbury Primary School is approximately 540m to the west, while St Luke's Church of England Voluntary Aided Primary School is approximately 540m to the north. Therefore, a potential significant positive (++) effect may occur because it could be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. However, there is uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand those schools if required.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	++?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>Duston Medical Centre is approximately 640m to the north. There is a public footpath running along the southern boundary and through the eastern part of the site, and a bridleway is located approximately 270m to the north. Therefore, this site may have a significant positive effect</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>because of the potential to use these facilities and recreational areas as well as the new ones. With respect to the health services and facilities it may also be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area. However, this effect is uncertain due to a lack of information about capacity and the potential to expand those services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>This site is within an area that is classed as being of high-medium landscape sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence – although the development would extend outwards towards Kisingbury, there would remain a distinct area of undeveloped land between that village and the main urban area of Northampton.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<p>which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land.</p> <ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 		<p>also assumed that all of the SUEs will incorporate sustainable transport links.</p>
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
<p>a) To reduce spatial inequalities in social opportunities.</p>	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
<p>a) Reduce land contamination, and safeguard soil and geological quality and quantity.</p>	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is almost entirely classified as being Grade 3 agricultural land, although a very small area in the east is classed as Grade 2. Therefore, development of this site would have a minor negative effect on preserving soil quality. The site is greenfield which would contribute further to the likely negative effect identified.</p> <p>This site does not include any Local Geological Sites.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			The site is largely categorised as category B for ground instability. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely.
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to 	-	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. Tiny areas along the southern edge of this site are just within flood zones 2 and 3 although the vast majority of the site is outside of flood zones 2 and 3. However, the site includes a small part of a flood storage area which extends beyond the southern boundary of the site; therefore, development here will have a minor negative effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)?		

SA31: Houghton Gate

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> An increase in motor vehicle trips and increased dependence on car use? Sensitive location of new development in areas of high noise levels or poor air quality. Support for the objectives of local air quality action plans? Improvements in existing local public transport infrastructure or access to public transport? Exacerbating existing traffic congestion hotspots or improvements to the current situation? The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The northern tip of this site buffers the A428 Bedford Road; therefore a minor negative effect is likely in relation to noise effect on new residents/employees in the north of this site.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 1.5km to the north; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? Development being steered to where it can be accommodated in less sensitive areas? Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes 	-?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that Great Houghton Village Conservation Area which includes a number of listed buildings is within 250m of the site and there are a small number of listed buildings within 600m to the south east of the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	and landscapes?		
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>Approximately 390m to the north of this site is the Upper Nene Valley Gravel Pits SSSI (which is currently in favourable condition) – it is also designated as a Local Wildlife Site (Hardingstone Flood Storage Area) and an SPA/Ramsar site. There are also a number of potential Local Wildlife Sites within 1km of this site, the closest of which is located directly adjacent to the southern boundary of the site. Barnes Meadow Local Nature Reserve is located approximately 700m to the north east.</p> <p>Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, 		<p>It is assumed that all of the SUEs would incorporate either new schools</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<p>qualification levels and participation in education and training.</p> <ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest school to the site, Abington Vale Primary School, is 1.45m to the north. 1.45km is not a reasonable walking distance. IN addition, the A45 dual carriageway in between the School and this site; therefore development on the site unlikely to have a significant positive effect on the objective, only a minor positive effect.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined though the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within a reasonable walking distance of several footpaths, two green amenity spaces and a bridleway. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>This site is within an area that is classed as being of high-medium landscape sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence – while the development would fill some of the existing area of open land between Brackmills Industrial Estate in Northampton and the village of Great Houghton, there would still be a distinct open area between the SUE of Northampton and the village.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure	• Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities.	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
with good access to services and facilities.	<ul style="list-style-type: none"> • Appropriate community, social and transport infrastructure. 		support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is classified as being on Grade 3 agricultural land; therefore, development of this site would have a minor negative effect on preserving soil quality. The site is greenfield which would contribute further to the likely negative effect identified. In relation to land instability, a negligible effect is likely as the site is in an area classed as Category B land, where slope instability problems are either not thought to occur or not likely to occur.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
waste.	energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste?		
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site is located outside of flood zones 2 and 3; therefore development here would have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA44 Land North of Holly Lodge Drive & SA52 Land adjacent to Holly Lodge Drive (combined)

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The south eastern tip of this site buffers the A5076 for a short distance; therefore a minor negative effect is likely in relation to noise effect on new residents/employees in the south east of this site.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 1.5km to the north; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>This site is wholly within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have a direct effect on cultural heritage assets.</p> <p>However, a section of the north western boundary is adjacent to the Boughton Conservation Area and identified as an area of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that the Conservation Area which includes a number of listed buildings is directly adjacent to the north western edge of this site and there are a small number of listed buildings within close proximity to the north east and south west of the site, with the closest being within 100m.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the structure and function of habitats 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 		<p>Obelisk Spinney Local Wildlife Site lies directly adjacent to the south western corner of this site, and there are a number of potential Local Wildlife Sites within 1km including one within the eastern part of the site itself. Nursery Wood Local Wildlife Site is within 220m to the west</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>and Scrub Field Local Nature Reserve lies around 900m to the south.</p> <p>Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is within a reasonable walking distance of three primary schools and one secondary school. The closest primary school is Boughton</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
		++?	<p>Primary School 110m to the north and the secondary school, Kingsthorpe College, is 660m to the south. In addition, University of Northampton Park Campus is located 600m to the south. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to three footpaths. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>This site is not within or adjacent to an AQMA.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>This site is within an area that is classed as being of high-medium landscape sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is also likely to contribute to settlement coalescence as the small existing area of open land between the eastern edge of Boughton and the main urban area of Northampton would be filled in (although it is noted that further west the village is already connected through continuous development with the main urban area of Northampton).</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is classified as being on Grade 3 agricultural land; therefore, development of this site would have a minor negative effect on preserving soil quality. The site is greenfield which would contribute further to the likely negative effect identified.</p> <p>This site does not include any Local Geological Sites, although it is noted that there is one just outside the site boundary to the east.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste	• Explicitly set out to reduce the amount of waste	0	This site is on greenfield land; therefore there are not likely to be the

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<p>generated by development and land use change?</p> <ul style="list-style-type: none"> • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		<p>same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site is located outside of flood zones 2 and 3; therefore development here would have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA60 Moulton Heights

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is bordered by a strategic road (the A43 in to Northampton and north to Kettering) at its eastern edge, which could result in noise disturbance for residents.</p> <p>There are no AQMAs within close proximity to the SUE site.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are a number of small areas of the site which are classified as 'Medium Sensitivity'. There is also a linear section running north to south across the site near the eastern boundary which is classified as 'Low Sensitivity'. Therefore, development could have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>However, sections of the south western boundary are adjacent to the Moulton Conservation Area and are identified as areas of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that the Conservation Area contains over twenty listed buildings within 250m of the site. In addition, there is one listed building at the sites north western edge. There is therefore potential for a significant negative effect on this objective.</p>
3. Biodiversity, flora and fauna			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>Hog Hole Local Wildlife Site is located, and partly within, the sites western boundary. The site is also bordered by another Potential Local Wildlife Site adjacent to the Local Wildlife Site. In addition, Crowfields Common Local Nature Reserve is located less than 250m from the site's southern boundary. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand;</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest schools to the site is are Moulton Primary School 200m to the south and Moulton Secondary School 400m to the south. Both are within a reasonable walking distance. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined though the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 		<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
		+	<p>The Moulton Doctor's Surgery is 550m to the south. One long footpath runs through the site and there are many more within a reasonable walking distance. Being in close proximity to existing facilities and recreational areas as well as new ones developed on the SUE sites could have a significant positive effect on this objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of medium to high landscape sensitivity which would suggest that development within the SUE site would have a significant negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is graded as Grade</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<ul style="list-style-type: none"> • Development that protects sites valued for their geological characteristics? 		<p>3 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site largely contains land categorised as category A and B where there is a negligible risk of ground instability at the site. However, there is also a very small pocket of category C land where land instability problems may be present or anticipated and which could have to have a minor negative effect.</p> <p>It is recommended that site investigations at the planning application stage should consider specifically the slope stability of the site.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>A small stream runs along and in to part of the southern boundary of the site. The area of flood zones 2, 3a and 3b is small (less than 2%); therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		

SA61 Roundhill Park

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is bordered by a strategic road (the A43 in to Northampton and north to Kettering) at its western edge, which could result in noise disturbance for residents.</p> <p>There are no AQMAs within close proximity to the SUE site.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are a number of small areas of the site which are classified as 'Medium Sensitivity'. There is also linear sections running north to south across the site near the north western then south eastern boundaries which are classified as 'Low Sensitivity'. Therefore, development could have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>However, sections of the south western boundary are adjacent to the Moulton Conservation Area and are identified as areas of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that the site contains three listed buildings and is in reasonably close proximity to two substantial clusters of listed buildings, one in the village of Overstone 1.1km to the south east and one in the village of Holcot 1.4km to the north west.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or 		<p>The site borders one small Potential Local Wildlife Site at its northern tip</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>and one Local Wildlife Site, Cowpasture Spinney, at the sites south eastern edge. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
b) Promote sustainable modes of travel to access education.	associated with new residential developments. <ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>objective.</p> <p>The closest schools to the site are Overstone Primary School 460m to the south east and Sywell Church Of England Voluntary Aided Primary School 700m to the south east, both of which are a reasonable walking distance. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is connected to four footpaths. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of medium to high landscape sensitivity which would suggest that development within the SUE site would have a significant negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The site is not likely to have an effect in relation to complete settlement coalescence but is in close proximity to the villages of Sywell and Overstone.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 		
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land graded as largely Grade 3 Agricultural Land, with a small portion (15%) of Grade 2 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The SUE site is bordered by a small stream at the southernmost part of its south east edge. However, the area of flood zones 2, 3a and 3b is less than 1% of the total area of the site and is therefore likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA12 & SA62 East Wootton

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is not in close proximity to any strategic roads or industrial buildings; therefore a negligible effect is likely in relation to noise effect on new residents/employees in that part of this site.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one running along the A45 London Road approximately 750m to the west; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that there are no listed buildings or other heritage designations within 250m of the site. Additionally the westernmost tip of the site is 450m away from the Wootton Village Conservation Area, which contains many listed buildings.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	-	<p>The site contains one Potential Local Wildlife Site and two others along its western boundary. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest schools to the site are Hardingstone Primary School 250m to the west, Preston Hedges Primary School 475m to the south and</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>Caroline Chisholm Primary School 710m to the south, which is a reasonable walking distance. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to two footpaths. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			location of new development will not affect the achievement of that element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>This site is within an area that is classed as being of high-medium sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and	• Development which delivers an appropriate mix		The provision of housing is addressed separately under SA objective 10

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
maintain a balanced and sustainable population structure with good access to services and facilities.	of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure.	+	above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The most southerly tip of the site (less than 5%) is classified as being Grade 2 agricultural land, with the remainder being Grade 3. Therefore, development of this site would have a minor negative effect on preserving soil quality. The site is mainly greenfield which would contribute further to the likely negative effect identified.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re- 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>recycling and achieve the sustainable management of waste.</p>	<p>cycled materials and make provision for recycling / composting in all new development?</p> <ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		<p>the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	<p>-?</p>	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A tributary of the River Nene runs through the sites southern half at its widest point. Flood zones 2 and 3 cover approximately 15% of the sites total area; therefore development here will have a minor negative effect on this objective depending on how development is distributed within the site, i.e. whether that area is built on, which is uncertain.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA63 Overstone Leys (Northampton North SUE)

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is bordered by a strategic road (the A43 in to Northampton and north to Kettering) at its western edge, which could result in noise disturbance for residents.</p> <p>There are no AQMAs within close proximity to the SUE site.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are three small areas of the site, which are classified as 'Medium Sensitivity', and therefore development could have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that there is one listed building bordering the site. The Moulton Conservation Area, which contains dozens of listed buildings, is less than 500m to the west of the site.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the structure and function of habitats 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 		<p>Colman Leys Potential Local Wildlife Site is partially located within the site. In addition, the site borders the Cowpasture Spinney Local Wildlife Site and two other Potential Local Wildlife Sites at its eastern edge, Crowfields Common Local Nature Reserve is located less than 250m</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>from the site's western boundary. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest school to the site is Overstone Primary School 275m to the east, which is a reasonable walking distance. It could therefore be</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to one footpath. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is in an area of medium to low landscape sensitivity which would suggest that development within the SUE site would have a minor negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would also significantly reduce the area of greenfield land between Northampton and the village of Overstone, although there would still be some greenfield land between them; therefore the effect is judged to be negligible for this objective.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and	<ul style="list-style-type: none"> Development which delivers an appropriate mix 		The provision of housing is addressed separately under SA objective 10

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
maintain a balanced and sustainable population structure with good access to services and facilities.	of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. <ul style="list-style-type: none"> • Appropriate community, social and transport infrastructure. 	+	above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	--/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is approximately 55% Grade 2 Agricultural Land and 45% Grade 3 Agricultural Land. Therefore, its development is likely to have a significant negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? 	0	This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
sustainable management of waste.	<ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		of the development; therefore development here will have a negligible effect on this objective.
15. Water			
<ul style="list-style-type: none"> a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs. 	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>A small stream runs along and in to part of the southern and eastern boundary of the site. The area of flood zones 2, 3a and 3b is small (less than 2%; therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SHLAA DDC070, 143 & 794 – Wantage Farm, Northampton Lane North and Oakley Drive

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is bordered by a strategic road (the A43 in to Northampton and north to Kettering) at its eastern edge, which could result in noise disturbance for residents.</p> <p>There are no AQMAs within close proximity to the SUE site.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However, there are two small areas of the site which are classified as 'Medium Sensitivity', one is situated along the northern boundary, while the other is in the middle of the site. There is also a linear section running north to south along the eastern boundary which is classified as 'Low Sensitivity'.</p> <p>In addition to this the site contains the south eastern tip of the Moulton Conservation Area and is identified as an area of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that the site over a dozen listed buildings are within 250m from the site.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the structure and function of habitats 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 		<p>Crowfields Common Local Nature Reserve is located within the site. In addition, there is a potential Local Wildlife Site to the south east and within 100m of the site. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest schools to the site are Moulton Primary School 280m to the north and Moulton Secondary School 340m to the west, all of which are</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>a reasonable walking distances. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	++?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and within 100m of Moulton doctor's surgery. The site is also connected to two footpaths. Being in close proximity to existing facilities and recreational areas as well as new ones developed on the SUE sites could have a significant positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required.</p> <p>All new homes will be expected to be of high quality; therefore the</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>location of new development will not affect the achievement of that element of the SA objective.</p> <p>This site is not within or adjacent to an AQMA.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of medium to high landscape sensitivity which would suggest that development within the SUE site would have a minor negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Further to this, the development of the SUE site would significantly reduce the area of greenfield land in between Northampton and the village of Moulton to the north, which could have an effect in relation to settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land graded as largely Grade 3 Agricultural Land, with a small portion (5%) of Grade 2 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? 	0	This site is largely on greenfield land; therefore there are not likely to

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The SUE site is entirely outside of flood zones 2, 3a and 3b, and is therefore likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is bordered by the Moulton Park Industrial Estate at its southern edge, which could result in noise disturbance for residents.</p> <p>There are no AQMAs within close proximity to the SUE site.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are three areas of the site which are classified as 'Medium Sensitivity'. In addition, there are also two small areas and a larger area of the site which is classified as 'Low Sensitivity'. Therefore, development could have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>However, old St John's Church is located within the site and is a Scheduled Monument and is identified as an area of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that there are two listed buildings within the site and it is less than 200m away from the Moulton Conservation Area and half a dozen of its listed buildings. Less than 650m to the north west is the Boughton Conservation Area and Boughton Hall Registered Park and Garden.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of 		<p>There are three Potential Local Wildlife Sites and one Local Wildlife Site</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>(Brick Spinney) within 250m of the site. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
modes of travel to access education.	<ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>The closest schools to the site are Moulton Secondary School 195m to the east, Moulton Primary School 460m to the east, Boughton Primary School 480m to the west and All Saints Church Of England Voluntary Aided Primary School 680m to the south, all of which are reasonable walking distances. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and Moulton Doctor's Surgery 460m to the north west. The site is also connected to three footpaths. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			This site is not within or adjacent to an AQMA.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of medium to high landscape sensitivity which would suggest that development within the SUE site would have a significant negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Further to this, the development of the SUE site could reduce the area of greenfield land in between Northampton and the village of Moulton to the north, which could have an effect in relation to settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and	<ul style="list-style-type: none"> Development which delivers an appropriate mix 		The provision of housing is addressed separately under SA objective 10

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
maintain a balanced and sustainable population structure with good access to services and facilities.	of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure.	+	above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is entirely greenfield land graded as Grade 3 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site, although it is noted that there is one just outside the site boundary to the south.</p> <p>The site contains land where land instability is not likely to occur; however, there are pockets of category C land where land instability problems may be present or anticipated and which could have to have a minor negative effect.</p> <p>It is recommended that site investigations at the planning application stage should consider specifically the slope stability of the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is mostly greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The SUE site is bordered by a small stream at its northern boundary. The areas of the site designated as Flood Zones 2 and 3 represent less around 1% of the site's total area. They are therefore likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such no effect is recorded in relation to safeguarding water resources.</p>

SHLAA NBC 175 – Upton Lodge / Norwood Farm

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is bordered at its southern edge by a strategic road (the A4500 linking Northampton with the M1 to the west), which could result in noise disturbance for residents.</p> <p>There are no AQMAs within close proximity to the SUE site.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>A large part of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are significant areas within the site mainly in its eastern half, as well as, a small area on the western boundary which are classified as 'Medium Sensitivity'. There is also a very small area in the middle of the site which is classified as 'Low Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>However, site borders the St. Crispin Conservation Area and is identified as an area of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that ten listed buildings and one scheduled monument are within 250m of the site boundary. There is therefore potential for a significant negative effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>The site is within 100m of two potential local Wildlife Sites, Quinton House School and part of St Crispin's Redevelopment, and one Local Wildlife Site and ancient woodland, Berry Wood. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education 		<p>It is assumed that all of the SUEs would incorporate either new schools</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<p>and training.</p> <ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are six schools within a reasonable walking distance of the site. The two closest schools to the site are St Luke's Church Of England Voluntary Aided Primary School 50m to the north and Duston Secondary School 490m to the east. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<p>e) Continue to improve energy efficiency of dwellings.</p> <p>f) Continue to increase the provision of 'affordable warmth'.</p> <p>g) To decrease the dependency on oil for space heating.</p> <p>h) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 		<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
		+	<p>relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to two bridleways. Errington Park is 620m to the north east. The site borders Berrywood Hospital at its northern edge. Being in close proximity to existing facilities and recreational areas as well as new ones developed on the SUE sites could have a significant positive effect on this objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p> <p>This site is not within or adjacent to an AQMA.</p>
8. Labour market and economy			
<p>b) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates 	-?	<p>The site is in an area of medium landscape sensitivity which would suggest that development within the SUE site would have a minor negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Further to this, the development of the SUE site could reduce the area of greenfield land in between Northampton and the village of Harpole to the west, which could have an effect in relation to settlement coalescence, although there will be land between the two settlements.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools?		
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? 		All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
geological quality and quantity.	<ul style="list-style-type: none"> • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>contamination.</p> <p>This particular SUE site is largely greenfield land graded as Grade 3 Agricultural Land, with a small portion (5%) at its most eastern tip of urban land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land where land instability is not likely to occur; however, there are pockets of category C land where land instability problems may be present or anticipated and which could have to have a minor negative effect.</p> <p>It is recommended that site investigations at the planning application stage should consider specifically the slope stability of the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The SUE site is entirely outside of flood zones 2, 3a and 3b, and is therefore likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such no effect is recorded in relation to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<p>flows?</p> <ul style="list-style-type: none"> • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		<p>safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/--	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The southern boundary of this site buffers the M1, and the eastern boundary buffers the A5123; therefore there could be a significant negative effect on residents and employees at this site in relation to noise.</p> <p>An AQMA covering part of the M1 motorway is directly adjacent to the south of this site; therefore a further minor negative effect is likely in relation to air quality.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are four areas within the site, near its north western and south eastern corners, which are classified as 'Medium Sensitivity'. There is also an area along the sites eastern boundary which is classified as 'Low Sensitivity', and therefore development could have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that there is a listed building approximately 145m from the south western corner of this site, and there are 11 others within 1km (nine to the south west and two to the north east). Approximately 600m to the north east is a Scheduled Monument (Multivallate Hillfort at Hunsbury Hill).</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? 	+/--?	<p>Shelfleys Lake Local Wildlife Site is located within the northern part of this site and the Grand Union Canal Local Wildlife Site lies approximately 200m to the west. Wootton Railway Embankments Local Wildlife Site is located approximately 65m to the east of the site. There are also a number of potential Local Wildlife Sites within 1km of the</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>site, although these have not yet been designated. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are no existing schools or colleges within walking distance (800m) of this site, which may otherwise have led to a potential significant positive effect due to the potential for it to be easier and</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. Therefore, the score remains as a minor positive effect.
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+/-?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There is a bridleway running across the north eastern corner of the site, and a country cycleway within 100m to the east. A public footpath is located approximately 150m to the west and there is another within walking distance (800m) to the south. However, there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is adjacent to an AQMA which runs along the M1 to the south; therefore this could have a minor negative effect on health and an overall mixed effect is likely.</p>
8. Labour market and economy			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	0	This site is within an area that is classed as being of low landscape sensitivity; therefore development here is expected to have a negligible effect on landscape character. Development of this site is not expected to result in settlement coalescence.
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. 	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
with good access to services and facilities.	<ul style="list-style-type: none"> • Appropriate community, social and transport infrastructure. 		support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is entirely classified as being Grade 3 agricultural land; therefore development of this site would have a minor negative effect on preserving soil quality. The site is mainly greenfield land which would contribute further to the likely negative effect already identified. In relation to land instability, a negligible effect is likely as this site is classed as Category B land where slope instability problems are either not thought to occur or not likely to occur.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re- 	0	This site is mainly greenfield land; therefore there are not likely to be the same opportunities that may exist on an entirely or mainly brownfield site to re-use existing building materials. Potential effects

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>recycling and achieve the sustainable management of waste.</p>	<p>cycled materials and make provision for recycling / composting in all new development?</p> <ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		<p>will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	-	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A large area across the north and east of this site is within flood zones 2 and 3, although more than half of the site is outside of those areas. Therefore, development here will have a minor negative effect in relation to flood risk.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

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SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/--	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is bordered by the M1 at its northern border, which could result in noise disturbance for residents and a minor negative effect. This section of the M1 corridor is also AQMA 'Northampton 1', resulting in a minor negative effect from low air quality. Combined, the M1's noise and air pollution result in a significant negative effect.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are three small areas within the site along its southern boundary which are classified as 'Medium Sensitivity'. There is also a linear section running north to south across the site as well as a section along the eastern boundary which are classified as 'Low Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that there are ten listed buildings within the site following the line of the Grand Union Canal. The line of listed buildings continues north and south of the site, with an additional four listed buildings within 250m of the site. In addition, the site is less than 100m from two Conservation areas, with clusters of listed buildings, Milton Malsor Conservation Area to the south and Rothersthorpe Conservation Area to the west.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 		<p>There are two ecological designations within the site, a potential Local Wildlife Site and the Northampton Arm of the Grand Union Canal Local Wildlife Site. In addition, there are two potential Local Wildlife Sites</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>within 20m of the site's south eastern border. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest schools to the site are Milton Parochial Primary School 220m to the south and Rothersthorpe Church Of England Primary School</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>290m to the west, which is a reasonable walking distance. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+/-?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and one memorial garden in Rothersthorpe 240m to the west. There are two bridleways and three footpaths connected to the site. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>In combination with the above, the site is adjacent to an to the M1 Corridor AQMA, which could have a minor negative impact on health, particularly if vehicle movements associated with the new development compound existing air quality problems. Therefore, overall, the site is likely to have a mix of effects on this objective.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of medium landscape sensitivity, with a few patches of low sensitivity landscape in the northern half of the site close to the M1, which would suggest that development within the SUE site would have a minor negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Further to this, the development of the SUE site could fill the area of greenfield land in between Northampton and the village of Rothersthorpe to the east, which could have a minor negative effect in relation to settlement coalescence.</p> <p>This minor negative effect combined with the medium sensitivity of the landscape result in a significant negative effect.</p>
10. Material assets			
<p>a) To ensure that the</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified 		<p>All of the SUEs are assumed to provide a mix of housing, therefore all</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
housing stock meets the housing needs of the local people.	<p>needs, including the needs of the community and local economy.</p> <ul style="list-style-type: none"> • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land graded as Grade 3 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>A tributary of the river Nene and the Grand Union Canal run through the centre of the site in to Northampton to the north. The tributary and its outlying flood zones 2 and 3 represent roughly 5% of the SUE site. Therefore the site likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	where possible lead to a reduction in flood risk)?		

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/--	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is bordered by the M1 at its eastern border, which could result in noise disturbance for residents and a minor negative effect. This section of the M1 corridor is also AQMA 'Northampton 1', resulting in a minor negative effect from low air quality. Combined, the M1's noise and air pollution result in a significant negative effect.</p> <p>Therefore, overall, the site has potentially mixed (minor positive and significantly negative) effects for this objective.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>This site is mainly within an area that is classified having 'No Known Asses/Issues', although there is an area of 'Low' sensitivity in the centre of the site. Therefore, the development of an SUE here could have a minor negative effect on this SA objective, although further investigation would be needed at the planning application stage.</p> <p>It is noted that Milton Malsor Conservation Area (which includes a number of listed buildings) is adjacent to the north western tip of this site, and Collingtree Village Conservation Area (also including listed buildings) is adjacent to the north east, just across the M1 motorway. Blisworth Conservation Area lies approximately 400m to the south west. There are also a number of isolated listed buildings within 1km of the site to the south and west, the closest of which lies approximately 100m to the south.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats and populations of	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? 	--?/+	<p>There is a Potential Local Wildlife Site within the southern part of this site, and another adjacent to the north western corner. Approximately 1km to the west is the Grand Union Canal Local Wildlife Site and Collingtree Golf Course lies approximately 450m to the north east.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest schools to the site are Milton Parochial Primary School 345m to the north east, Blisworth Community Primary School 535m to the south west and Collingtree Church of England Primary School 450m to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>the north east (although it is noted that that school is across the other side of the M1 which may cause accessibility issues). It could therefore be easier and more resource/cost efficient to expand those schools to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective. There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	++?/-?	<p>The effects of employment site options on this SA objective will depend largely on the proximity of the sites to walking and cycle routes which could be used to commute to and from the site, thereby encouraging healthier and more active lifestyles. There are three public footpaths within this site and several others within a reasonable walking distance (800m) to the north, west and south. In addition, Roade Blisworth and Hanslope doctor's surgeries lie approximately 780m to the east of the site, although it is noted that this is the other side of the M1 which may make access more difficult. A significant positive effect is therefore likely because of the potential to use these facilities and recreational areas as well as the new ones. With respect to the health services and facilities it may also be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area. However, this effect is uncertain due to a lack of information about capacity and the potential to expand those services and facilities if</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>required.</p> <p>This site is adjacent to an AQMA along the M1, and so there could also be a minor negative (-?) impact on health in relation to poor air quality, particularly if vehicle movements associated with the new development compound existing air quality problems in the area. Overall, a mixed (uncertain minor positive and uncertain minor negative) effect on this objective is therefore likely.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>This site is within an area that is classed as being of medium landscape sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	support viable local services and public transport provision and which achieve efficient use of land. <ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 		incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is classified as being Grade 3 in terms of its agricultural quality and is currently in agricultural use; therefore, development of this site would have a minor negative effect on preserving soil quality. The site is greenfield which would contribute further to the likely negative effect identified.</p> <p>In relation to land instability, a further minor negative effect is likely as the site is in an area classed as Category C land, which means that</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>those are areas where slope instability problems may be present or anticipated, and it is recommended that site investigation at the planning application stage should consider specifically the slope stability of the site.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is on primarily greenfield land; therefore there are not likely to be the same opportunities that may exist on an entirely or mainly brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site is located entirely outside of flood zones 2 and 3; therefore development here would have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	(including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)?		

SHLAA 579 & 788 - Bedford Road South & Bedford Road North

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The strategic road, the A428 between Northampton and Bedford runs through the centre of the site, which could result in noise disturbance for residents.</p> <p>There are no AQMAs within close proximity to the SUE site.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The site contains areas classed as being of medium sensitivity in terms of cultural heritage and is also adjacent to an area on its south west boundary which is classed as being of high sensitivity in terms of cultural heritage. Therefore an uncertain significant negative effect is likely, as there is potential to affect the setting of the heritage assets.</p> <p>It is noted that the site is sandwiched between two Conservation Areas, Little Houghton Conservation area to the north east, which partly enters the site, and Great Houghton Conservation Area to the south west. Their close proximity means that there are dozens of listed buildings within 250m of the site boundaries.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the structure and function of habitats 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 		<p>The site's northern edge borders the Upper Nene Valley Gravel Pits SSSI, SPA and RAMSAR site, which is also designated locally as three separate Local Wildlife Sites, Hardingstone Dyke, Hardingstone Floodplain and Little Houghton Gravel Pits. To the south, there are</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>three potential Local Wildlife Sites along the disused railway line north of great Houghton, within 250m of the site. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The only school within a reasonable walking distance is Little Houghton Church Of England Primary School 120m to the east. It could therefore</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
		++?	<p>be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of four green amenity spaces and is connected to four footpaths. Brackmills Country Park is 450m to the south east. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of high landscape sensitivity which would suggest that development within the SUE site would have a significant negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Further to this, the development of the SUE site would result in the loss of the greenfield land in between Great Houghton and Little Houghton (both of which are Conservation Areas) and Northampton, resulting in a minor negative effect as a result of coalescence, although this is again uncertain.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and	<ul style="list-style-type: none"> Development which delivers an appropriate mix 		The provision of housing is addressed separately under SA objective 10

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
maintain a balanced and sustainable population structure with good access to services and facilities.	of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure.	+	above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are largely greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land graded as a combination of Grade 2 (5%), Grade 3 (85%) and Grade 4 (10%) Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling 		This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
achieve the sustainable management of waste.	/ composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste?	0	sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	• Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)?	0	Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites. It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. The SUE site borders the floodplain of the River Nene but largely free from flood zones 2, 3a and 3b, which combined represent less than 2% of the total area of the site. Therefore, the site is likely to have a negligible effect on this objective. It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+ / 0	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>There are no strategic roads in close proximity to site which could result in noise disturbance for residents. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated with noise and air pollution are negligible.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	- ?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that there are six listed buildings within 250m of the site's northern border. A Scheduled Monument, a Romano-British settlement and concentration of pottery kilns, is 300m to the east of the site. Finally, the village of Great Billing's Conservation Area with its substantial cluster of listed buildings is 1.7km to the south of the site.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the structure and function of habitats 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	-	<p>The site contains Blackthorn Wood Local Wildlife Sites and Icehouse Plantation Potential Local Wildlife Site. In addition, there are several other local ecological designations within 1km of the site. Therefore,</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest school to the site is Rectory Farm Primary School is 620m to the south, which is a reasonable walking distance. However, due to the</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to one footpath which lies adjacent to the southern boundary of the site. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of high landscape sensitivity which would suggest that development within the SUE site would have a significant negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site is not likely to contribute to settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure	• Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities.		<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
with good access to services and facilities.	<ul style="list-style-type: none"> • Appropriate community, social and transport infrastructure. 	+	support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is entirely classified as Grade 3 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site mainly contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least 	0	This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	favoured option? • Encourage the reduction in the production and movement of hazardous waste?		
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site is located entirely outside of flood zones 2 and 3; therefore development here would have a negligible effect on flood risk.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-0	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>There are no strategic roads in close proximity to the site which could result in noise disturbance for residents. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated with noise and air pollution are negligible.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that the site is with 250m of six listed buildings, all of which are close to its north eastern edge. The Moulton Conservation Area, which contains dozens of listed buildings, is 1.5km to the north west and the village of Great Billing's Conservation Area and substantial cluster of listed buildings is 1.6km to the south of the site.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	-	<p>The site contains four Potential Local Wildlife Sites and is within 250m of another Potential Local Wildlife Site and two Local Wildlife Sites, Blackthorn Wood and Cutthroat Lane. In addition, there are several</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>other local ecological designations within 1km of the site. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest schools to the site is Overstone Primary School 630m to the north, Rectory Farm Primary School 675m to the south east and</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>Blackthorn Primary School 750m to the south, all of which is a reasonable walking distance. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces. Southfield Park is 185m to the west. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective. However,</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>due to the steep topography of the site it may not be an easy walking distance for all ages and abilities; therefore a significant positive score is not considered to be appropriate.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of high landscape sensitivity which would suggest that development within the SUE site would have a significant negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities 		<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2:</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<p>which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land.</p> <ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 	+	Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
<p>a) To reduce spatial inequalities in social opportunities.</p>	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
<p>a) Reduce land contamination, and safeguard soil and geological quality and quantity.</p>	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is approximately 15% Grade 2 Agricultural Land and 85% Grade 3 Agricultural Land. Therefore, its development is likely to have a minor negative effect on this objective.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>The site contains land where land instability is not likely to occur; however, there are pockets of category C land where land instability problems may be present or anticipated and which could have to have a minor negative effect.</p> <p>It is recommended that site investigations at the planning application stage should consider specifically the slope stability of the site.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>A small waterbody connected to a small stream is located in the north west corner of the site. The area of flood zones 2, 3a and 3b is small (less than 10%) of the site's area; therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<ul style="list-style-type: none"> • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+ / 0	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>There are no strategic roads in close proximity to site which could result in noise disturbance for residents. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated with noise and air pollution are negligible.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The southern tip of this site is in an area classed as urban; however the northern part of the site is in an area which is classed as 'medium sensitivity' in relation to cultural heritage. Therefore an uncertain significant negative effect is likely, as there is potential to affect the setting of the heritage assets. It is noted that there is one listed building directly adjacent to the eastern boundary of the site and a small cluster of listed buildings bordering its south eastern corner. The Moulton Conservation Area, which contains dozens of listed buildings, is 1km to the west of the site.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the structure and function of habitats 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 		<p>The site contains a Potential Local Wildlife Site and is adjacent to Cowpasture Spinney Local Wildlife Site. In addition, there are several other local ecological designations within 1km of the site. Therefore,</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest school to the site Overstone Primary School is 120m to the north, which is a reasonable walking distance. It could therefore be</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
		+	<p>easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities and a significant positive score is not considered to be appropriate.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of high landscape sensitivity which would suggest that development within the SUE site would have a significant negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 		
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is mainly Grade 3 Agricultural Land, although approximately one quarter of the site in the west is classed as Grade 2. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	-?	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>A small water body is located at the southern end of the site and extends south. A small stream extends north through the centre of the site. The area of the site designated as flood zones 2, 3a and 3b is small, roughly 15%; however, most of this is the stream channel and water body itself and not the flood plain. The site is likely to have a minor negative effect on this objective, depending on how development is distributed within the site, i.e. whether the area at risk from flooding is built on, which is uncertain at this stage.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site's eastern edge borders the A508 north towards Brixworth. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated with noise and air pollution are negative but minor.</p> <p>Overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are three small areas within the site near its north western corner, southern boundary and north eastern boundary which are classified as 'Medium Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>However, a section of the north western boundary is adjacent to the Broughton Hall Registered Park and Garden and Broughton Conservation Area, and is identified as areas of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats and populations of	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? 		<p>The site is within 250km of three Local Wildlife Sites, Meadow View Marsh to the south west, Boughton Cold Store to the north west and Nursery Wood to the east. In addition the site is with 250m of three Potential Local Wildlife Sites.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+++	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is within walking distance of three schools, Whitehills Nursery 200m to the south, Whitehills Primary School 230m to the south and Greenfields Special School 730m to the south. It could therefore be</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	++?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is in close proximity to several green amenity spaces and footpaths. In addition, the Pines Doctors Surgery is 600m to the south. Being in close proximity to existing facilities and recreational areas as well as new ones developed on the SUE sites could have a significant positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is in an area of medium to low high landscape sensitivity which would suggest that development within the SUE site would have a minor negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is Grade 3 Agricultural Land. Therefore, its development is likely to have a negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re- 		<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>recycling and achieve the sustainable management of waste.</p>	<p>cycled materials and make provision for recycling / composting in all new development?</p> <ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The site contains no flood zones 2 and 3; therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The Joint Core Strategy as submitted includes an indicative alignment for the North West Bypass Phase 2 between Northampton Kings Heath SUE and Northampton North of Whitehills SUE. This planned strategic road will be in close proximity to the site resulting in noise disturbance for residents, which could have a minor negative effect. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>Part of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are large areas in the western extent of the site and along the eastern boundary which are classified as 'Medium Sensitivity'. In addition, there is a linear section running north to south across the site which is classified as 'Low Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that there are two listed buildings within 1km of the site, one to the south and another to the north. In addition, approximately 850m to the north, is the Conservation Area of Chapel Brampton.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and 	+	<p>The site contains four parts of four different Potential Local Wildlife Sites and one Local Wildlife Site, Meadow View Marsh. In addition there is another Local Wildlife Site, Church Brampton Golf Course, within 100m</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>of the site. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is within walking distance of one education facility, Whitehills</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
access education.	to walking, cycling and public transport routes.	++?	<p>Nursery, 800m to the east. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within walking distance of three footpaths and five bridleways. There are no hospitals or doctors surgeries within walking distance. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of high landscape sensitivity which would suggest that development within the SUE site would have a significant negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and	<ul style="list-style-type: none"> Development which delivers an appropriate mix 		The provision of housing is addressed separately under SA objective 10

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
maintain a balanced and sustainable population structure with good access to services and facilities.	of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure.	+	above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. The site is 35% Grade 2 and 65% Grade 3 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? 	0	This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
sustainable management of waste.	<ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		of the development; therefore development here will have a negligible effect on this objective.
15. Water			
<ul style="list-style-type: none"> a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs. 	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	--?	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The site contains approximately 35% flood zones 2 and 3; therefore the site is likely to have a significant negative effect on this objective depending on how development is distributed within the site, i.e. whether that area is built on, which is uncertain.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-0	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>There are no strategic roads in close proximity to site which could result in noise disturbance for residents. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated with noise and air pollution are negligible.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>A large part of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are significant areas within the site which are classified as 'Medium Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that the site is less than 250m away from one listed building and is within 500m of two Conservation Areas, Kingsthorpe Village 280m to the west and Dallington Village 500m to the south. There is therefore potential for a significant negative effect on this objective.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats and populations of	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? 		<p>The site contains three Potential Local Wildlife Sites and four Local Wildlife Sites, Dallington Heath, Harlestone Firs, Heath Spinney and Brook and Kingsthorpe Tussocks. In addition it is with 250m of another three Local Wildlife Sites, Dallington Brook Field, Kingsthorpe Meadows</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>Local Nature Reserve and Church Brampton Golf Course, and five Potential Local Wildlife Sites. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site contain is within walking distance of six schools. The closest school is Kings Heath Primary School 310m to the east. It could therefore be easier and more resource/cost efficient to expand the</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is connected to and within walking distance of several footpaths, bridleways and green amenity spaces. Dallington Park is 730m to the south and Kingthorpe Park 515m to the west. In addition, Kings heath Doctors Surgery is 385m to the east. Being in close proximity to existing facilities and recreational areas as well as new ones developed on the SUE sites could have a significant positive effect on this objective. However, due to the steep topography of the site it</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is in an area of high landscape sensitivity which would suggest that development within the SUE site would have a significant negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities 		<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2:</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<p>which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land.</p> <ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 	+	Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
<p>a) To reduce spatial inequalities in social opportunities.</p>	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
<p>a) Reduce land contamination, and safeguard soil and geological quality and quantity.</p>	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is largely in Grade 3 Agricultural Land. Therefore, its development is likely to have a negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land where land instability is not likely to occur;</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>however, there is a very small pocket of category C land where land instability problems may be present or anticipated and which could have to have a minor negative effect.</p> <p>It is recommended that site investigations at the planning application stage should consider specifically the slope stability of the site.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>Less than 10% of the site area is flood zones 2 and 3; therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	(including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)?		

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-?	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The A4500 runs along the southern border of the parcel. In addition, recent and on-going improvements to Sandy Lane, the Sandy Lane Relief Road and the North West Bypass could facilitate an increase in traffic and thus more noise within the immediate vicinity of the site, although this minor negative effect is uncertain. Should these be reflected in the SA appraisals for the sites that are/ would be affected? The attached map shows these roads as well. This strategic road's close proximity to the site could result in noise disturbance for residents. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated only with noise pollution have the potential to have a minor negative impact.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes 	-?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there is a very small area within the site near its northern boundary which is classified as 'Medium Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that the site is less than 250m away from two Conservation Areas, Harpole Conservation Area 120m to the west and Kislingbury Conservation Area 250km to the south. Both contain many listed buildings. There is therefore potential for a significant negative effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	and landscapes?		
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>There is one Potential Local Wildlife Site 350m to the south of the site and a Local Wildlife Site – Berry Wood ancient woodland – 875m to the north east. Therefore, development at this site has the potential to have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	<p>++?</p>	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are two schools within walking distance of the site – Harpole Primary School 160m to the west and Kislingbury Primary School 700m to the south. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	<p>0</p>	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	<p>+?</p>	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity areas, six bridleways and several footpaths. Being in close proximity to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>existing recreational areas, as well as new ones developed on the SUE sites could have a positive effect on this objective.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is in an area of low to medium landscape sensitivity which would suggest that development within the SUE site would have a minor negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	support viable local services and public transport provision and which achieve efficient use of land. <ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 		incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is Grade 3 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category B; therefore there is a negligible risk of ground instability at the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The site contains no water ways with Flood Zones 2 and 3; therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-?	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>There are no strategic roads in close proximity to site which could result in noise disturbance for residents. Recent and on-going improvements to Sandy Lane, the Sandy Lane Relief Road and the North West Bypass could facilitate an increase in traffic and thus more noise within the immediate vicinity of the site, although this minor negative effect is uncertain. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated with noise and air pollution are negligible.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are areas within the site along its northern and eastern boundaries which are classified as 'Medium Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that the site sits between two Conservation Areas, St Crispin Conservation Area 450m to the east and Harpole Conservation Area 475m to the west. There is therefore potential for a minor negative effect on this objective.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or 		<p>There is one Potential Local Wildlife Site and two Local Wildlife Sites –</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>Nobottle Belt and Oldfield Thicket – between 650m and 1km to the west of the site. Therefore, development at this site has the potential to have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
b) Promote sustainable modes of travel to access education.	associated with new residential developments. <ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 	+	objective. The closest school to the site is Harpole Primary School 450m to the south west, which is a reasonable walking distance. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles. The site is within reasonable walking distance of several green amenity spaces, four bridleways and two footpaths. In addition, Berrywood Hospital is 470m to the east. Being in close proximity to existing facilities and recreational areas as well as new facilities developed on the SUE sites could have a significant positive effect on this objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility. This site is not within or adjacent to an AQMA. All new homes will be expected to be of high quality; therefore the

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			location of new development will not affect the achievement of that element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is in an area of low to medium landscape sensitivity which would suggest that development within the SUE site would have a minor negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	--	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is Grade 3 Agricultural Land. Therefore, its development is likely to have a negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land largely categorised as category B; however, there are pockets of category C land which could have to have a minor negative effect and pockets of category D (where land instability problems are probably present and have occurred in the past) land which could have a significant negative effect.</p> <p>Category C includes areas where slope instability problems may be present or anticipated, and it is recommended that site investigation at</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			the planning application stage should consider specifically the slope stability of the site.
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The site contains no water ways with Flood Zones 2 and 3; therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

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SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-0	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>There are no strategic roads in close proximity to site which could result in noise disturbance for residents. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated with noise and air pollution are negligible.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there is a very small area within the site near its northern boundary which is classified as 'Low Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>In addition, a section of the south western boundary is adjacent to the Harpole Conservation Area and identified as an area of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that the Conservation Area contains many listed buildings. In addition there is a Scheduled Roman Villa north of Hill Farm less than 400m to the west of the site. Therefore there is potential for a significant negative effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>There is one Local Wildlife Site 500m to the east of the site – Berry Wood ancient woodland. Therefore, development at this site has the potential to have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education 		<p>It is assumed that all of the SUEs would incorporate either new schools</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<p>and training.</p> <ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest school to the site is Harpole Primary School is 310m to the south, which is a reasonable walking distance. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to three bridleways and three footpaths. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is in an area of low to medium landscape sensitivity which would suggest that development within the SUE site would have a minor negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	transport, walking and cycling.		
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is Grade 3 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land largely categorised as category B; however, there are pockets of category C land which could have to have a minor negative effect.</p> <p>Category C includes areas where slope instability problems may be present or anticipated, and it is recommended that site investigation at</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			the planning application stage should consider specifically the slope stability of the site.
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The site contains no water ways with Flood Zones 2 and 3; therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+ / 0	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>There are no strategic roads in close proximity to site which could result in noise disturbance for residents. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated with noise and air pollution are negligible.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	- ?	<p>A large part of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there is a very small area within the northern part of the site and a large area within the middle of the site which is classified as 'Medium Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that the site is 600m east of the Scheduled Roman Villa north of Hill Farm. In addition, there are four listed buildings between 700m and 800m away from the site to the north west. There is therefore potential for a negative effect on this objective.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of 		<p>There are two Potential Local Wildlife Sites 400m and 530m to the north</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>of the site. Three Local Wildlife sites lie roughly 800m to the west – Broadgow Spinney, Oldfield Thicket, Nobottle Belt. Therefore, development at this site has the potential to have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
modes of travel to access education.	<ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 	+	The closest school to the site is Harlestone Primary School 1.2km to the north. 1.2km is not a reasonable walking distance; therefore development on the site is unlikely to have a significant positive effect on the objective, only a minor positive effect.
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within a reasonable walking distance of several green amenity spaces, four bridleways and two footpaths. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a positive effect on this objective.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<ul style="list-style-type: none"> a) To create high quality employment opportunities and 	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit 		All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
develop a strong culture of enterprise and innovation.	locational/ economic opportunities while not harming the environment. <ul style="list-style-type: none"> Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	The site is in an area of low to medium landscape sensitivity which would suggest that development within the SUE site would have a minor negative effect on landscape character and features. The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development. The development of the site would not contribute to settlement coalescence.
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. Appropriate community, social and transport infrastructure. 	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is Grade 3 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The site contains no water ways with Flood Zones 2 and 3; therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-?	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The A428 runs along the northern border of the parcel. Recent and on-going improvements to Sandy Lane, the Sandy Lane Relief Road and the North West Bypass could facilitate an increase in traffic and thus more noise within the immediate vicinity of the site, although this minor negative effect is uncertain. The strategic roads' close proximity to the site could result in noise disturbance for residents. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated only with noise pollution have the potential to have a minor negative impact.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are areas within the site along its north western boundary which are classified as 'Medium and Low Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that the closest heritage asset to the site is a single listed building 280m to the east. There are two significant concentrations of listed buildings to the north, one within the Harlestone Conservation Area 500m away and the other 350m away. In addition, there is another concentration of listed buildings 600m to the west. There is therefore potential for a minor negative effect on this objective.</p>
3. Biodiversity, flora and fauna			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>The site contains one Potential Local Wildlife Site and another less than 200m from its northern border. The Local Wildlife Site of Harlestone Firs borders the sites eastern edge. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand;</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest school to the site is Harlestone Primary School 860m to the north west, which is not a reasonable walking distance. In addition, the site contains steep topography, therefore, it is not considered that there would be a significant positive effect in terms of accessibility, even if there was an existing school within 800m.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and several footpaths and bridleways. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is in an area of low to medium landscape sensitivity which would suggest that development within the SUE site would have a minor negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and	<ul style="list-style-type: none"> Development which delivers an appropriate mix 		The provision of housing is addressed separately under SA objective 10

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>maintain a balanced and sustainable population structure with good access to services and facilities.</p>	<p>of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities.</p> <ul style="list-style-type: none"> • Appropriate community, social and transport infrastructure. 	<p>+</p>	<p>above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
<p>a) To reduce spatial inequalities in social opportunities.</p>	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	<p>?</p>	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
<p>a) Reduce land contamination, and safeguard soil and geological quality and quantity.</p>	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	<p>-</p>	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is Grade 3 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There is one Local Geological Sites (formerly RIGS) within this site - Slatepit Plantation of the Northampton Sand Formation. Development on the site could have a minor negative effect as there is potential to lose or obscure the geological value, unless design of the SUE took its location and visibility into account.</p> <p>The site contains land largely categorised as category B; however, there are pockets of category C land which could have to have a minor negative effect.</p> <p>Category C includes areas where slope instability problems may be present or anticipated, and it is recommended that site investigation at</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			the planning application stage should consider specifically the slope stability of the site.
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The site contains a small waterway with some Flood Zones 2 & 3; however, the proportion of the area of the site covered by these Flood Zones is minimal and therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-?	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>There are no strategic roads in close proximity to site which could result in noise disturbance for residents. However, recent and on-going improvements to Sandy Lane, the Sandy Lane Relief Road and the North West Bypass could facilitate an increase in traffic and thus more noise within the immediate vicinity of the site, although this minor negative effect is uncertain. There are no AQMAs within close proximity to the SUE site, which could result in negative effects associated with reduced air quality. Therefore the effects associated with noise and air pollution are negligible.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>A large part of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are significant areas within the site which are classified as 'Medium Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that the closest heritage asset to the site is single listed building 550m to the east. In addition, the St Crispin Conservation Area lies 670m to the south east. There is therefore potential for a minor negative effect on this objective.</p>
3. Biodiversity, flora and fauna			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>There is one Potential Wildlife Site within 150m for the sites northern boundary. Another lies 600m to the north. The Local Wildlife Site and ancient woodland of Berry Wood lies 685m to the south east and Harlestone Firs Local Wildlife Site 515m to the north. Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and opportunities may exist to enhance biodiversity through appropriate design and the incorporation of biodiversity enhancement measures into the development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand;</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest school to the site is Duston Eldean Primary School 950m to the east. The school is not within easy walking distance, therefore development on the site is unlikely to have significant positive effect.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	++?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is in close proximity to several green amenity spaces and is within reasonable walking distance of four bridleways and one footpath. In addition, the Berrywood Hospital is 550m to the south east. Being in close proximity to existing facilities and recreational areas as well as new ones developed on the SUE sites could have a significant positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is in an area of low to medium landscape sensitivity which would suggest that development within the SUE site would have a minor negative effect on landscape character and features.</p> <p>The exact nature of these negative effects will be uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>The development of the site would not contribute to settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have minor positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and	<ul style="list-style-type: none"> • Development which delivers an appropriate mix 	+	The provision of housing is addressed separately under SA objective 10

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
maintain a balanced and sustainable population structure with good access to services and facilities.	of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure.	+	above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This particular SUE site is largely greenfield land. It is Grade 3 Agricultural Land. Therefore, its development is likely to have a minor negative effect.</p> <p>There are no Local Geological Sites (formerly RIGS) within this site.</p> <p>The site contains land categorised as category B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? 	0	This site is largely on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
sustainable management of waste.	<ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		of the development; therefore development here will have a negligible effect on this objective.
15. Water			
<ul style="list-style-type: none"> a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs. 	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects.</p> <p>The site contains a small waterway with some Flood Zones 2 & 3; however, the proportion of the area of the site covered by these Flood Zones is minimal and therefore the site is likely to have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-0	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The northern boundary of the site is adjacent to the A4500, however a minor negative is unlikely in relation to noise effects as this will only effect a very small area of the overall site. Therefore the effects in relation to noise are likely to be negligible.</p> <p>The site is not within close proximity of an AQMA; therefore a negligible effect is also likely in relation to air quality and an overall mixed effect (minor positive and negligible) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>Part of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However the northern extent of the site is classified as 'Low Sensitivity'. In addition large areas in the middle of the site are classified as 'Medium Sensitivity', development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>However, sections of the western boundary are adjacent to the Kislingbury Conservation Area and identified as an area of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that there are many listed buildings within the conservation area with the closest listed building being Kislingbury Hill (Grade II) located within 1km of the western boundary. Harpole Conservation Area is within 1km of the north west boundary of the site, as are many listed buildings which are located within it. Additionally some of the listed buildings located at Kislingbury Grange, to the south east of the site, are also within 1km of the site boundary.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>The eastern boundary of the site is within 250m of Camp Lane & Drain Local Wildlife Site and within 600m of Upton Pasture Local Wildlife Site. There are also potential Local Wildlife Sites located within the site boundary, and also to the east and to the west of the site. Therefore, development at this site will have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, 		<p>It is assumed that all of the SUEs would incorporate either new schools</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<p>qualification levels and participation in education and training.</p> <ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	<p>++?</p>	<p>or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The only school within a reasonable walking distance is Kislingbury Primary School 220m to the west. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
<p>6. Energy and climatic factors</p>			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	<p>0</p>	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
<p>7. Health and well being</p>			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	<p>+</p>	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces, several footpaths and bridleways. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The majority of this site is within an area that is classed as being of high-medium sensitivity. Therefore development of this site will most likely have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 		
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and the site is also entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	--?	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A relatively large area (approximately 30% of the site) to the north of the site is located within flood zones 2 and 3. However, development could be located to the south of the site away from the flood zones as the site is not entirely or mainly within the flood zones; therefore a minor negative effect is likely depending on how development is distributed within the site, i.e. whether that area is built on, which is uncertain. However, the site includes a flood storage area; therefore an overall significant negative effect on this objective is likely.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The M1 Motorway is adjacent to the northern boundary of the site, therefore a significant negative effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The M1 Corridor AQMA is within the north eastern corner of the, therefore a minor negative effect is likely in relation to air quality.</p> <p>Therefore an overall mixed effect (minor positive and significant negative) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are areas within the site which are classified as 'Medium and Low Sensitivity', and development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that there are five listed buildings located at Kislingbury Grange are located within the site, near to the southern boundary. Rothersthorpe Conservation Area, and the listed buildings and Scheduled Monument (The Berry Ringwork) located within it are located within 1km of the south east boundary of the site. The Grade II listed buildings, West Barn, The Lodge, and East Barn, The Lodge are located within 1km of the north east boundary. Additionally, Kislingbury Conservation Area and many listed buildings located within it are within 1km of the north west corner of the site.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+ / 0?	<p>The site is not within 1km of any designated biodiversity sites. There are, however, potential Local Wildlife Sites within 250m to the south and north of the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>Therefore, development at this site will have a negligible effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest school to the site is Rothersthorpe Church Of England Primary School 900m to the south. 900m is not a reasonable walking</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			distance; therefore development on the site unlikely to have a significant positive effect on the objective, only a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> An average increase in the SAP rating of dwellings? A reduction of the average household fuel bill. A decrease in oil consumption. Major developments incorporating renewable energy measures into the design. An increase in energy efficient measures and CHP in the design new developments. An increase in the number of large scale renewable energy schemes. A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> Healthier lifestyles? Improved access to healthcare? Improve the quality of homes? 	+/-	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within a reasonable walking distance of several footpaths and bridleways and five green amenity spaces. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>The M1 Corridor AQMA is within the north eastern corner of the, therefore a minor negative effect is likely in relation to air quality. See Objective 1 above.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
culture of enterprise and innovation.	<p>harming the environment.</p> <ul style="list-style-type: none"> Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 		effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The majority of this site is within an area that is classed as being of high-medium sensitivity. Therefore development of this site will most likely have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and the site is also entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	-?	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A relatively large strip, stretching east to west, across the site is within flood zones 2 and 3. While the site is not entirely or mainly within the flood zones it is a relatively large area (approximately 25%) of the site, therefore a minor negative effect is likely depending on how development is distributed within the site, i.e. whether that area is built on, which is uncertain.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/--	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The M1 Motorway is adjacent to the northern boundary of the site and the A43 is within close proximity to the north east corner of the site. Therefore a significant negative effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The northern boundary of the site is also adjacent to the M1 Corridor AQMA, therefore a minor negative effect is likely in relation to air quality.</p> <p>Therefore an overall mixed effect (minor positive and significant negative) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there is a small area in the northern part of the site and two larger areas in the southern half of the site which are classified as 'Medium Sensitivity'. There is also a linear section running north to south across the site which is classified as 'Low Sensitivity'. Therefore, development could have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>However, sections of the southern boundary are adjacent to the Rothersthorpe Conservation Area and identified as areas of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that within the conservation area there are listed buildings and a Scheduled Monument (The Berry Ringwork) located within it which are located within 250m of the southern boundary of the site. A Grade II listed building, West Barn, The Lodge, is located within</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			250m of the northern boundary, as East Barn, The Lodge which is within 260m of the boundary. There are also a cluster of listed buildings, located at Kislingbury Grange, within 1km of the western boundary. Additionally many of the listed buildings along the Northampton Arm of the Grand Union Canal (the Northampton Top Lock Cottage, Lock Numbers 1 to 13, Drawbridge) are within 1km of the eastern boundary.
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>The Grand Union Canal - Northampton Arm Local Wildlife Site is within 1km of the eastern boundary of the site. There are also potential Local Wildlife Sites to the south of the site.</p> <p>Therefore, development at this site will have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
a) To improve community safety,	• Changes in crime levels and fear of crime through improvements to the environment,	0	The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
reduce crime and the fear of crime.	<p>layouts of streets and public space, passive surveillance, lighting etc.</p> <ul style="list-style-type: none"> Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 		inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> Improvements in educational attainment, qualification levels and participation in education and training. Adequate supporting educational infrastructure associated with new residential developments. New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The only school within a reasonable walking distance is Rothersthorpe Church of England Primary School 290m to the south. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> An average increase in the SAP rating of dwellings? A reduction of the average household fuel bill. A decrease in oil consumption. Major developments incorporating renewable energy measures into the design. An increase in energy efficient measures and CHP in the design new developments. An increase in the number of large scale renewable energy schemes. A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> Healthier lifestyles? Improved access to healthcare? Improve the quality of homes? 		All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
		+/-	<p>population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within a reasonable walking distance of several footpaths and the Old Memorial Hall Garden in Rothersthorpe. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>The northern boundary of the site is adjacent to the M1 Corridor AQMA, therefore a minor negative effect is likely in relation to air quality. See Objective 1 above.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green 	--?	<p>The majority of this site is within an area that is classed as being of high-medium sensitivity. Therefore development of this site will most likely have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
built environment.	corridors, linking open space etc.? <ul style="list-style-type: none"> Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 		
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that 	-/0	All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
safeguard soil and geological quality and quantity.	<p>are above the national target of 60%?</p> <ul style="list-style-type: none"> • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 		<p>contamination.</p> <p>The majority of the site is classified as being Grade 3 agricultural land, with a very small area in the south of the site being classed as Grade 2, the site is also entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites. The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
and Great Ouse CFMPs.	Great Ouse CFMP? <ul style="list-style-type: none"> • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The A43 runs north to south through the western area of the site and therefore a minor negative effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The northern boundary of the site is within 700m of the M1 Corridor AQMA however this is not felt to be within a distance to lead to a likely negative impact; therefore a negligible effect is likely in relation to air quality.</p> <p>Therefore an overall mixed effect (minor positive and minor negative) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are two very small areas, one in the northern part of the site and one in the western part of the site which are classified as 'Medium Sensitivity'. There is also a linear section running north to south along the eastern boundary which is classified as 'Low Sensitivity'. Therefore, development could have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>However, outside the site adjacent to the eastern boundary is Milton Malsor Conservation Area which is identified as an area of high cultural heritage sensitivity. Therefore, development at this site has the potential to have a significant negative effect on this SA objective, although there is uncertainty attached as the potential for negative effects will depend on the exact scale, layout and design of the new development and opportunities may exist to enhance the setting of heritage features.</p> <p>It is also noted that the Grade II Listed Building, Northampton Top Lock Cottage, is immediately adjacent to the western boundary of the site. Lock Numbers 1 to 12 of the Northampton Arm of the Grand Union Canal (Grade II Listed Buildings) run from the western boundary of the</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			site northwards, ranging from within 250m to 1km of the site boundary. Milton Malsor Conservation Area is also adjacent to the south east corner of the site, along with many listed buildings located within it. Additionally, Rothersthorpe Conservation Area, and the listed buildings and Scheduled Monument (The Berry Ringwork) located within it are located within 1km of the north west boundary of the site.
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>The Grand Union Canal - Northampton Arm Local Wildlife Site runs adjacent (within 250m) to the western boundary of the site. There are also potential Local Wildlife Sites to the west, north and south of the site.</p> <p>Therefore, development at this site will have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
the fear of crime.	surveillance, lighting etc. <ul style="list-style-type: none"> Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 		safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.
5. Education and training			
a) Improve educational attainment and promote lifelong learning. b) Promote sustainable modes of travel to access education.	<ul style="list-style-type: none"> Improvements in educational attainment, qualification levels and participation in education and training. Adequate supporting educational infrastructure associated with new residential developments. New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The only school within a reasonable walking distance is Milton Parochial Primary School 230m to the east. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> An average increase in the SAP rating of dwellings? A reduction of the average household fuel bill. A decrease in oil consumption. Major developments incorporating renewable energy measures into the design. An increase in energy efficient measures and CHP in the design new developments. An increase in the number of large scale renewable energy schemes. A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> Healthier lifestyles? Improved access to healthcare? Improve the quality of homes? 		All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
		+	<p>be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within a reasonable walking distance of several green amenity spaces, several footpaths and a bridleway. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>The northern boundary of the site is within 700m of the M1 Corridor AQMA however this is not felt to be within a distance to lead to a likely negative impact; therefore a negligible effect is likely in relation to air quality. See objective 1 above.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? 	--?	<p>The majority of this site is within an area that is classed as being of high-medium sensitivity. Therefore development of this site will most likely have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<ul style="list-style-type: none"> Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 		
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? 	-/0	All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
geological quality and quantity.	<ul style="list-style-type: none"> • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 		<p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site contains land categorised as category A and B; therefore there is a negligible risk of ground instability at the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A small strip of the eastern area of this site, running north to south, is within flood zones 2 and 3, however this is only a small area of the site and development could potentially be located in the west of the site, therefore the site is likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
CFMPs.	<ul style="list-style-type: none"> • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The southern boundary of the site is adjacent to the M1 Motorway and the eastern boundary of the site is adjacent to the A45 therefore a significant negative effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The north east corner of the site is adjacent to the A45 London Road AQMA, while the southern boundary of the site is adjacent to the M1 Corridor AQMA; therefore a minor negative effect is likely in relation to air quality.</p> <p>Therefore an overall mixed effect (minor positive and significant negative) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are significant areas, one of which is adjacent to the south western boundary and one which is situated in the eastern half of the site are classified as 'Medium Sensitivity'. Therefore, development could have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that there are two listed buildings (Old Bridge and Gateway between Old and New Lodges, both are Grade II) which are located within the site boundary close to the eastern boundary of the site. Collingtree Conservation Area and many listed buildings located within it are located within 250m of the south east site boundary. Additionally the north east and southern boundaries are also within 1km of conservation areas (Wootton Village Conservation Area and Milton Malsor Conservation Area, respectively) and the listed buildings located within them.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>Collingtree Golf Course Local Wildlife Site is located within the site boundary running along the northern area of the site towards the south east corner. Wootton Railway Embankments Local Wildlife Site is also located within 250m of the north west corner of the site. Additionally Hunsbury Hill Country Park and Shelfleys Lake Local Wildlife Sites are located within 1km of the north east corner of the site. There are also potential Local Wildlife Sites adjacent to, and north of the site.</p> <p>Therefore, development at this site will have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand;</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<p>and training.</p> <ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 		<p>therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is within 800m of three schools; Simon De Senlis Primary School and East Hunsbury Primary School to the north, and Collingtree Church Of England Primary School to the south east. Therefore a potential significant positive effect may occur because it could be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+/-	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within 800m of Danes Camp Surgery, and many footpaths many of which run through the site in the south east, the north east of the site is also adjacent to a bridleway. Furthermore, the site is located within 800m of many open spaces, such as Penn Valley Park to the north, and Pyghtle Open Space which is located within the northern</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>area of the site. Therefore the site may have a significant positive effect because of the potential to use these facilities and recreational areas as well as the new ones. With respect to the health services and facilities it may also be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p> <p>The north east corner of the site is adjacent to the A45 London Road AQMA, while the southern boundary of the site is adjacent to the M1 Corridor AQMA. Therefore there could be a minor negative impact on health, particularly if vehicle movements associated with the new development compound existing air quality problems. This therefore gives rise to a mixed significant positive and minor negative effect on this objective.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and 	-/0	<p>The majority of this site is within an area that is classed as being of low sensitivity. Therefore development here will most likely have a negligible effect on landscape character.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<p>social wellbeing and reflect Management Plan objectives?</p> <ul style="list-style-type: none"> • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 		<p>Development of this site could result in settlement coalescence between Northampton and the village of Collingtree, which could have a minor negative effect on this objective.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
<p>a) To reduce spatial inequalities in social opportunities.</p>	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site contains land where land instability is not likely to occur; however, there are pockets of category C land where land instability problems may be present or anticipated and which could have to have a minor negative effect.</p> <p>It is recommended that site investigations at the planning application stage should consider specifically the slope stability of the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	Standard)? <ul style="list-style-type: none"> • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		<p>opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. The northern section of this site is located within flood zones 2 and 3, however this is only a small area of the site and development could potentially be located in the south of the site, therefore the site is likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The southern boundary of the site is adjacent to the M1 Motorway and the eastern boundary of the site is adjacent to the A45 therefore a significant negative effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The north east corner of the site is adjacent to the A45 London Road AQMA, while the southern boundary of the site is adjacent to the M1 Corridor AQMA; therefore a minor negative effect is likely in relation to air quality.</p> <p>Therefore an overall mixed effect (minor positive and significant negative) is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are significant areas, one of which is adjacent to the south western boundary and one which is situated in the eastern half of the site are classified as 'Medium Sensitivity'. Therefore, development could have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that there are two listed buildings (Old Bridge and Gateway between Old and New Lodges, both are Grade II) which are located within the site boundary close to the eastern boundary of the site. Collingtree Conservation Area and many listed buildings located within it are located within 250m of the south east site boundary. Additionally the north east and southern boundaries are also within 1km of conservation areas (Wootton Village Conservation Area and Milton Malsor Conservation Area, respectively) and the listed buildings located within them.</p>
3. Biodiversity, flora and fauna			
a) Maintain and	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or 		Collingtree Golf Course Local Wildlife Site is located within the site

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>boundary running along the northern area of the site towards the south east corner. Wootton Railway Embankments Local Wildlife Site is also located within 250m of the north west corner of the site. Additionally Hunsbury Hill Country Park and Shelfleys Lake Local Wildlife Sites are located within 1km of the north east corner of the site. There are also two potential Local Wildlife Sites and one Local Wildlife Site within 200m of the northern tip of the site.</p> <p>Therefore, development at this site will have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
b) Promote sustainable modes of travel to access education.	associated with new residential developments. <ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 		The site is within 800m of three schools; Simon De Senlis Primary School and East Hunsbury Primary School to the north, and Collingtree Church Of England Primary School to the south east. Therefore a potential significant positive effect may occur because it could be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined though the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+/-	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within 800m of Danes Camp Surgery. There are also many footpaths, many of which run through the site in the south east, the north east of the site, two cycle ways and bridleway. Furthermore, the site is located within 800m of many open spaces, such as Penn Valley Park to the north, and Pyghtle Open Space which is located within the northern area of the site. Therefore the site may have a significant positive effect because of the potential to use these facilities and</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>recreational areas as well as the new ones. With respect to the health services and facilities it may also be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p> <p>The north east corner of the site is adjacent to the A45 London Road AQMA, while the southern boundary of the site is adjacent to the M1 Corridor AQMA. Therefore there could be a minor negative impact on health, particularly if vehicle movements associated with the new development compound existing air quality problems. This therefore gives rise to a mixed effect on this objective.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the 	-/0	<p>The majority of this site is within an area that is classed as being of low sensitivity. Therefore development here will most likely have a negligible effect on landscape character.</p> <p>Development of this site could result in settlement coalescence between Northampton and the village of Collingtree, which could have a minor negative effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<p>landscape, buildings and settlements?</p> <ul style="list-style-type: none"> • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 		
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
<p>a) To reduce spatial inequalities in social opportunities.</p>	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site contains land where land instability is not likely to occur; however, there are pockets of category C land where land instability problems may be present or anticipated and which could have to have a minor negative effect.</p> <p>It is recommended that site investigations at the planning application stage should consider specifically the slope stability of the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. The northern section of this site is located within flood zones 2 and 3, however this is only a small area of the site and development could</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		<p>potentially be located in the south of the site, therefore the site is likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The southern boundary of the site is adjacent to the M1 Motorway and the eastern boundary of the site is adjacent to the A45 therefore a significant negative effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The north east corner of the site is adjacent to the A45 London Road AQMA, while the southern boundary of the site is adjacent to the M1 Corridor AQMA; therefore a minor negative effect is likely in relation to air quality.</p> <p>Therefore an overall mixed effect (minor positive and significant negative) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The majority of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However there are significant areas, one of which is adjacent to the south western boundary and one which is situated in the eastern half of the site are classified as 'Medium Sensitivity'. Therefore, development could have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that there are two listed buildings (Old Bridge and Gateway between Old and New Lodges, both are Grade II) which are located within the site boundary close to the eastern boundary of the site. Collingtree Conservation Area and many listed buildings located within it are located within 250m of the south east site boundary. Additionally the north east and southern boundaries are also within 1km of conservation areas (Wootton Village Conservation Area and Milton Malsor Conservation Area, respectively) and the listed buildings located within them.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or 	+/-?	<p>Collingtree Golf Course Local Wildlife Site is located within the site</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>boundary running along the northern area of the site towards the south east corner. Wootton Railway Embankments Local Wildlife Site is also located within 250m of the north west corner of the site. Additionally Hunsbury Hill Country Park and Shelfleys Lake Local Wildlife Sites are located within 1km of the north east corner of the site. There are also potential Local Wildlife Sites adjacent to, and north of the site.</p> <p>Therefore, development at this site will have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
b) Promote sustainable modes of travel to access education.	associated with new residential developments. <ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 		The site is within 800m of three schools; Simon De Senlis Primary School and East Hunsbury Primary School to the north, and Collingtree Church Of England Primary School to the south east. Therefore a potential significant positive effect may occur because it could be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+/-	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within 800m of Danes Camp Surgery, and many footpaths many of which run through the site in the south east, the north east of the site is also adjacent to a bridleway. Furthermore, the site is located within 800m of many open spaces, such as Penn Valley Park to the north, and Pyghtle Open Space which is located within the northern area of the site. Therefore the site may have a significant positive effect because of the potential to use these facilities and recreational</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>areas as well as the new ones. With respect to the health services and facilities it may also be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area. However, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility, only a minor positive effect.</p> <p>The north east corner of the site is adjacent to the A45 London Road AQMA, while the southern boundary of the site is adjacent to the M1 Corridor AQMA. Therefore there could be a minor negative impact on health, particularly if vehicle movements associated with the new development compound existing air quality problems. This therefore gives rise to a mixed significant positive and minor negative effect on this objective.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? 	-/0	<p>The majority of this site is within an area that is classed as being of low sensitivity. Therefore development here will most likely have a negligible effect on landscape character.</p> <p>Development of this site could result in settlement coalescence between</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 		<p>Northampton and the village of Collingtree, which could have a minor negative effect on this objective.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
<p>a) To reduce spatial inequalities in social opportunities.</p>	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			the deprivation in that area and whether the SUE development addresses those particular issues,
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site contains land where land instability is not likely to occur; however, there are pockets of category C land where land instability problems may be present or anticipated and which could have to have a minor negative effect.</p> <p>It is recommended that site investigations at the planning application stage should consider specifically the slope stability of the site.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. The</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<p>with PPS 25 and the flood risk management policies of the EA?</p> <ul style="list-style-type: none"> • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		<p>northern section of this site is located within flood zones 2 and 3, however this is only a small area of the site and development could potentially be located in the south of the site, therefore the site is likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The east of the site is adjacent to the M1 Motorway and therefore a significant negative effect is likely in relation to noise effects on new residents at this site.</p> <p>The site is also adjacent to the M1 Corridor AQMA; therefore a minor negative effect is likely in relation to air quality and an overall mixed effect (minor positive and significant negative) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>Part of the site is within an area classified as having 'No Known Assets/Issues' and therefore unlikely to have an effect on cultural heritage. However, there are two areas within the site, one of which is in the northern corner of the site and the other is in the middle of the site, both of which are classified as 'Medium Sensitivity'. In addition there is an areas along western boundary of the site which is classified as 'Low Sensitivity', development could therefore have a minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is also noted that the south west corner of the site is within 250m of Milton Malsor Conservation Area and the listed buildings located within it. The closest listed building is the Church of the Holy Cross (Grade II), which is within 150m of the south west of the site. The south east of the site is also within 1km of Collingtree Village Conservation Area and the listed buildings located within it.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? 	+/-?	<p>The site is within 1km of Collingtree Golf Course and Wootton Railway Embankments Local Wildlife Sites, located to the north and north east respectively. The site is also within 1km of potential Local Wildlife Sites to the south east and south west of the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>Therefore, development at this site will have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is within 800m of Milton Parochial Primary School to the south</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
access education.	to walking, cycling and public transport routes.		west of the site, and also Collingtree Church Of England Primary School to the north east of the site. Therefore a potential significant positive effect may occur because it could be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. However, there is uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand those schools/colleges if required.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+/-	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is not within 800m of three or more existing health-related assets. The site has a footpath running through it and is within 800m of green spaces to the west of the site and has green infrastructure located within it. However the site is not within 800m of any doctor's surgery's or hospitals. Therefore a minor positive effect will apply.</p> <p>This site is adjacent to the M1 Corridor AQMA and could therefore have a minor negative impact on health, particularly if vehicle movements associated with the new development compound existing air quality problems. This therefore gives rise to a mixed minor positive and minor negative effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	0	The majority of this site is within an area that is classed as being of low sensitivity. Therefore development here is likely to have a negligible effect on landscape character. Development of this site is not expected to result in settlement coalescence.
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	provision and which achieve efficient use of land. <ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 		
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is also entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The entire site is classed as being Category B for ground instability. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			likely.
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The east of the site is adjacent to the M1 Motorway and therefore a significant negative effect is likely in relation to noise effects on new residents at this site.</p> <p>The site is also within close proximity of an AQMA; therefore a minor negative effect is likely in relation to air quality and an overall mixed effect (minor positive and significant negative) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>A small part of Courteenhall Registered Park and Garden is within the southern area of the site. Courteenhall Registered Park and Garden is classed as being an area of high sensitivity in terms of cultural heritage, therefore an uncertain significant negative effect is likely, as there is potential to affect the setting of the heritage assets.</p> <p>It is noted that the southern boundary of the site is also within 1km of Courteenhall Conservation Area and two listed buildings which are located within it, and within 1km of 3 listed buildings located within Courteenhall Registered Park and Garden.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? 	+/-?	<p>The site is within 1km of Roade Cutting SSSI to the south west of the site, and Collingtree Golf Course Local Wildlife Site to the north. Additionally there are potential Local Wildlife Sites located to the north, south, and west and within the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>Therefore, development at this site will have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is not within 800m of any existing schools or colleges. The closest school is Woodland View Primary School located 850m to the north east. Therefore the site is likely to have only a minor positive</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			effect as stated above.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	++?/-	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within 800m of Roade Blisworth and Hanslope Doctor's Surgeries, green open spaces to the north of the site, and has green infrastructure within the site. The west of the site is also adjacent to footpaths and within 800m of footpaths to the north east of the site. The site may therefore have a significant positive effect because of the potential to use these facilities and recreational areas as well as the new ones. With respect to the health services and facilities it may also be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area. However, this effect is uncertain due to a lack of information about capacity and the potential to expand those services and facilities if required.</p> <p>This site is adjacent to an AQMA and could therefore have a minor negative impact on health, particularly if vehicle movements associated with the new development compound existing air quality problems. This therefore gives rise to a mixed significant positive and negative effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The majority of this site is within an area that is classed as being of high-medium sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	transport, walking and cycling.		
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is also entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The entire site is classed as being Category B for ground instability. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely.</p>
14. Waste			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The south west of the site is adjacent to the M1 Motorway and an industrial area therefore a significant negative effect is likely in relation to noise effects on new residents at this site.</p> <p>The site is not within close proximity of an AQMA; therefore a negligible effect is likely in relation to air quality and an overall mixed effect (minor positive and significant negative) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that the south eastern corner of the site is within 250m of a Listed Building (The Old Rectory and Attached Outbuilding, Grade II) located within the village of Quinton. There are also other listed buildings located in and around the village of Quinton which are within 1km of the site boundary. Additionally, within 1km of the south west of the site is the Courteenhall Registered Park and Garden, and the Courteenhall Conservation Area.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? 	+/-	<p>There are no designated biodiversity sites within 1km of the site boundary. There are, however, potential Local Wildlife Sites within 1km of the site to the north and south east.</p> <p>Therefore, development at this site will have a negligible effect on</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>However, the site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site. Therefore a minor negative effect on biodiversity is likely. It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is within 800m of Woodland View Primary School, therefore a potential significant positive effect may occur because it could be easier and more resource/cost efficient to expand those existing facilities to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			accommodate new residents as required, rather than building new schools within the SUE area. However, there is uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand those schools/colleges if required.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	++?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within 800m of Roade Blisworth and Hanslope Doctor's Surgeries, green open spaces to the north west, north and east of the site, and within 800m of footpaths to the north and south of the site. Additionally the site has a bridleway running through it. The site may therefore have a significant positive effect because of the potential to use these facilities and recreational areas as well as the new ones. With respect to the health services and facilities it may also be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area. However, this effect is uncertain due to a lack of information about capacity and the potential to expand those services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p>
8. Labour market and economy			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	The majority of this site is within an area that is classed as being of high-medium sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development. Development of this site is not expected to result in settlement coalescence.
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable	• Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
population structure with good access to services and facilities.	close to local services/facilities. • Appropriate community, social and transport infrastructure.		It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, apart from a very small area in the north which is Grade 2; the site is also entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site is classed as being both Category A and B for ground instability. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
achieve the sustainable management of waste.	/ composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste?		sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is not within close proximity to strategic roads but the north of the site is adjacent to the Brackmills Industrial Estate therefore a minor negative effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The site is not within close proximity of an AQMA; therefore a negligible effect is also likely in relation to air quality and an overall mixed effect (minor positive and minor negative) is likely overall.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that the north eastern corner of the site is within 1km of Hardington Village Conservation Area, and the many listed buildings located within and adjacent to it. The closest listed building is Pittham's Farmhouse (Grade II) which is located approximately 650m to the north east of the site boundary.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the structure and function of habitats 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+	<p>There are no designated biodiversity sites within 1km of the site boundary. There are, however, potential Local Wildlife Sites adjacent to and within close proximity to the site, such as Brackmills Woods South potential Local Wildlife Site which is adjacent to the northern boundary</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-	<p>of the site.</p> <p>Therefore, development at this site will have a negligible effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>However, the site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site. Therefore a minor negative effect on biodiversity is likely.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is not within 800m of any existing schools or colleges, and due to the steep topography of the site it is not considered that there would</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			be a significant positive effect in terms of accessibility even if there were any existing schools or colleges within 800m. Therefore development here will have a minor positive effect on this objective.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is not within 800m of any health-related assets but is within 800m of green infrastructure/open space-related features to the south and west of the site. Furthermore, while the site is within walking distance (800m) of existing green infrastructure/open space-related features, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility. Therefore the minor positive effect applies.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The majority of this site is within an area that is classed as being of high-medium sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
with good access to services and facilities.	<ul style="list-style-type: none"> • Appropriate community, social and transport infrastructure. 		support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site is classed as Category B for ground instability, with relatively large areas in the north of the site classed as Category C. The site is therefore likely to have a minor negative effect on ground instability. Overall a minor negative effect is likely.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
management of waste.	waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste?		effect on this objective.
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site is located outside of flood zones 2, 3a and 3b meaning that development on the site would have a negligible effect against this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is not within close proximity to strategic roads but the west of the site is adjacent to the Brackmills Industrial Estate therefore a minor negative effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The site is not within close proximity of an AQMA; therefore a negligible effect is likely in relation to air quality and an overall mixed effect (minor positive and minor negative) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	--?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage. However, the north eastern corner of the site is adjacent to Great Houghton Conservation Area which is classed as being of high sensitivity in terms of cultural heritage, therefore an uncertain significant negative effect is likely, as there is potential to affect the setting of the heritage assets.</p> <p>It is noted that the site is within 250m and 1km of many listed buildings which are located within Great Houghton Conservation Area and outside of it. The closest listed building is 20 and 22, The Green (Grade II), which is located approximately 45m to the east of the site boundary.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? 	+/-?	<p>Upper Nene Valley Gravel Pits RAMSAR, SPA and SSSI is located within 1km to the north of the site, as is the Hardingstone Flood storage Area Local Wildlife Site. There is also one potential Local Wildlife Site located within the site boundary and a number located within 250m and 1km of the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>Therefore, development at this site has the potential to have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is not within 800m of any existing schools or colleges, and even if it was, due to the steep topography of the site, they would not necessarily be easily accessible for all people. Therefore development</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			here will have an overall minor positive effect on this objective.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is not within 800m of any health-related assets but is within 800m of many green infrastructure/open space-related features. For example, Brackmills Country Park is located within the north of the site. Furthermore, while the site is within walking distance (800m) of existing green infrastructure/open space-related features, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility. Therefore the minor positive effect applies.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The majority of this site is within an area that is classed as being of high sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure	• Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities.	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
with good access to services and facilities.	<ul style="list-style-type: none"> • Appropriate community, social and transport infrastructure. 		support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The majority of the site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site is classed as Category B for ground instability, with relatively large areas in the west and north west of the site classed as Category C. The site is therefore likely to have a minor negative effect on ground instability. Overall a minor negative effect is likely.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
management of waste.	waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste?		effect on this objective.
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-0	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is not within close proximity to features such as strategic roads or large industrial areas therefore a negligible effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The site is not within close proximity of an AQMA; therefore a negligible effect is also likely in relation to air quality and an overall mixed effect (minor positive and negligible) is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of low sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that the eastern boundary of the site is within 250m of Cogenhoe Conservation Area, and within 1km of many listed buildings which are located within it. The listed buildings are mainly located to the east of Cogenhoe around Church Street. The closest listed building is the Church of St Peter (Grade II), which is located approximately 350m to the east. Additionally, approximately 430m to the west of the site lies a Scheduled Monument (Clifford Hill Motte Castle). There are also two listed buildings, just within 1km, to the north west of the site.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and 	+/-?	<p>Upper Nene Valley Gravel Pits RAMSAR, SPA and SSSI is located within 1km to the west of the site. There are also two Local Wildlife Sites (Billing Aquadrome and Ecton Backwater) within 250m of the northern</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>boundary of the site. Additionally, Ecton Gravel Pits Local Wildlife Site is located within 350m of the north east corner of the site. There is also one potential Local Wildlife Site located within the site boundary, and a number located within 1km of the site.</p> <p>Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as sub-optimal/possibly suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The southern boundary of the site is within 400m of Cogenhoe Primary</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
access education.	to walking, cycling and public transport routes.		School. Therefore a potential significant positive effect may occur because it could be easier and more resource/cost efficient to expand this existing facility to accommodate new residents as required, rather than building new schools within the SUE area. However, there is uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand those schools/colleges if required.
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is not within 800m of any health-related assets but is within 800m of many green infrastructure/open space-related features located to the south and south east of the site. Therefore the minor positive effect applies.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>This site is within an area that is classed as being of medium sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
with good access to services and facilities.	<ul style="list-style-type: none"> • Appropriate community, social and transport infrastructure. 		support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>An area in the south western part of this site is classified as being Grade 2 agricultural land, an area in the south eastern part is classified as Grade 3, with the remainder in the north being Grade 4. Therefore, development of this site would have a minor negative effect on preserving soil quality. The site is mainly greenfield which would contribute further to the likely negative effect identified.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site is predominantly classed as Category B for ground instability, with three very small areas in the eastern area of the site classed as Category C. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely overall.</p>
14. Waste			
a) To reduce waste generation and	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/asures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	-?	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A reasonably sized area stretching across the north of the site (approximately 20% of the site) is within flood zones 2 and 3; however this area could be avoided by development and almost all of the site is outside of flood zones 2 and 3 therefore a minor negative effect on flood risk is likely depending on how development is distributed within the site, i.e. whether that area is built on, which is uncertain.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-0	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>This site is not adjacent to any strategic roads or industrial areas, which could otherwise have meant that new residents may be adversely affected by noise. Therefore, a negligible effect is likely in relation to noise.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 1.5km to the west; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that there are three listed buildings within approximately 150m to the south of this site (in Quinton Green) and another two within approximately 730m to the north west as well as three within 1km to the south.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the structure and function of habitats 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+/-?	<p>There is an area of ancient woodland approximately 600m to the south east of this site, and a potential Local Wildlife Site approximately 900m to the north west. Therefore, development at this site has the potential to have a minor negative effect on biodiversity, although this is</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are no existing schools or colleges within walking distance (800m) of this site, which may otherwise have led to a potential</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			significant positive effect due to the potential for it to be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. Therefore, the score remains as a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There are a number of public footpaths within walking distance (800m) of this site, including three that abut the south eastern edge of the site boundary. There is also a bridleway located around 600m to the west; however there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is not within or adjacent to an AQMA and an overall minor positive effect is therefore likely.</p>
8. Labour market and economy			
a) To create high	• An adequate supply of land, skills and	+	All of the site options are likely to have a minor positive effect on this

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<p>infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment.</p> <ul style="list-style-type: none"> • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 		<p>SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>This site is within an area that is classed as being of medium landscape sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
services and facilities.	infrastructure.		as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is entirely classified as being Grade 3 agricultural land; therefore development of this site would have a minor negative effect on preserving soil quality. The site is greenfield which would contribute further to the likely negative effect already identified.</p> <p>In relation to land instability, a negligible effect is likely as this site is classed as Category B land where slope instability problems are either not thought to occur or not likely to occur.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<ul style="list-style-type: none"> Encourage the reduction in the production and movement of hazardous waste? 		
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? Development that results in increased spills from combined sewer outlets? The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site is entirely outside of flood zones 2 and 3. Therefore, development here will have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-0	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>This site is not adjacent to any strategic roads or industrial areas, which could otherwise have meant that new residents may be adversely affected by noise. Therefore, a negligible effect is likely in relation to noise.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 1.5km to the west; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that there are three listed buildings within approximately 320m to the south of this site (in Quinton Green) and another one within 1km to the north west.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+/-?	<p>There is a potential Local Wildlife Site approximately 100m to the north west of this site and another within approximately 775m (also to the north west); however neither has yet been designated. Therefore, development at this site has the potential to have a minor negative</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>This site is within walking distance (800m) of one school, Woodland View Primary School which is located approximately 750m to the west.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			Therefore, this site could have a potential significant positive (++?) effect on this objective because it could be easier and more resource/cost efficient to expand that existing facility to accommodate new residents as required, rather than building new schools within the SUE area. However, there is uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand this school if required.
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There are a number of public footpaths within walking distance (800m) of this site, including six to the south and one to the west, where there is also an adjacent bridleway. However, there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is not within or adjacent to an AQMA and an overall minor positive effect is therefore likely.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>This site is mainly within an area that is classed as being of medium landscape sensitivity, although part of the site in the west is classed as low sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations 	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
population structure with good access to services and facilities.	close to local services/facilities. • Appropriate community, social and transport infrastructure.		It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is entirely classified as being Grade 3 agricultural land; therefore development of this site would have a minor negative effect on preserving soil quality. The site is greenfield which would contribute further to the likely negative effect already identified.</p> <p>In relation to land instability, a negligible effect is likely as this site is almost entirely classed as Category B land where slope instability problems are either not thought to occur or not likely to occur. A tiny area in the west of the site is classed as Category A land where instability problems are considered even less likely to occur.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re- 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>recycling and achieve the sustainable management of waste.</p>	<p>cycled materials and make provision for recycling / composting in all new development?</p> <ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		<p>the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. Aside from a tiny area along the eastern boundary of this site which is in flood zone 3, the site is entirely outside of flood zones 2 and 3. Therefore, development here will have a negligible effect on this objective.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+ / 0	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>This site is not adjacent to any strategic roads or industrial areas, which could otherwise have meant that new residents may be adversely affected by noise. Therefore, a negligible effect is likely in relation to noise.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 1.8km to the west; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	- ?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that there are a number of listed buildings within 1km to the south of this site, and two to the east, one of which is approximately 250m from the site boundary.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+ / - ?	<p>There is a potential Local Wildlife Site approximately 180m to the west of this site and another within approximately 750m (also to the west); however neither has yet been designated. There is also an area of ancient woodland approximately 600m to the south east. Therefore,</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>development at this site has the potential to have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>This site is not within walking distance (800m) of any existing schools that could potentially be expanded to accommodate new residents as</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			required.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There are a number of public footpaths within walking distance (800m) to the north, east and south of this site, including two that abut the south eastern edge of the site. However, there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is not within or adjacent to an AQMA and an overall minor positive effect is therefore likely.</p>
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
and innovation.	<ul style="list-style-type: none"> Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 		access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>This site is within an area that is classed as being of medium landscape sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is entirely classified as being Grade 3 agricultural land; therefore development of this site would have a minor negative effect on preserving soil quality. The site is greenfield which would contribute further to the likely negative effect already identified.</p> <p>In relation to land instability, a negligible effect is likely as this site is entirely classed as Category B land where slope instability problems are either not thought to occur or not likely to occur.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	-?	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. Approximately one third of this site lies within flood zones 2 and 3 (the band of high flood risk zone runs through the centre of the site from east to west); therefore there is a potential for negative effects on this objective depending on how development is distributed within the site, i.e. whether that area is built on, which is uncertain.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+ / 0	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>This site is not adjacent to any strategic roads or industrial areas, which could otherwise have meant that new residents may be adversely affected by noise. Therefore, a negligible effect is likely in relation to noise.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 1.8km to the west; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	- ?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that there are two listed buildings located approximately 600m to the east of this site, within the small village of Preston Deanery.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+ / - ?	<p>There are a number of potential Local Wildlife Sites within 1km of this site, the closest of which is located approximately 200m from the south western corner of the site; however none of these have yet been designated. Therefore, development at this site has the potential to</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>This site is within walking distance (800m) of one existing school (Caroline Chisholm School, approximately 795m to the west); therefore</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			a potential significant positive effect may occur because it could be easier and more resource/cost efficient to expand that existing facility to accommodate new residents as required, rather than building new schools within the SUE area. However, there is uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand that school if required.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There are a number of public footpaths within walking distance (800m) of this site, including two that cross the site. However, there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is not within or adjacent to an AQMA and an overall minor positive effect is therefore likely.</p>
8. Labour market and economy			
a) To create high	• An adequate supply of land, skills and	+	All of the site options are likely to have a minor positive effect on this

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<p>infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment.</p> <ul style="list-style-type: none"> • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 		<p>SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>This site is within an area that is classed as being of medium landscape sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
services and facilities.	infrastructure.		as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is entirely classified as being Grade 3 agricultural land; therefore development of this site would have a minor negative effect on preserving soil quality. The site is greenfield which would contribute further to the likely negative effect already identified.</p> <p>In relation to land instability, a negligible effect is likely as this site is entirely classed as Category B land where slope instability problems are either not thought to occur or not likely to occur.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? Make positive provision for appropriate sites for waste management facilities including waste to 	0	<p>This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
waste.	energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste?		
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site lies entirely outside of flood zones 2 and 3; therefore a negligible effect is likely in relation to flood risk.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+ / 0	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>This site is not adjacent to any strategic roads or industrial areas, which could otherwise have meant that new residents may be adversely affected by noise. Therefore, a negligible effect is likely in relation to noise.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 2.5km to the west; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	- ?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that there are two listed buildings/structures located within 250m to the south of this site, including one (a bridge) which is adjacent to the site boundary.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+ / - ?	<p>There is a potential Local Wildlife Site approximately 930m to the west of this site; however it has not yet been designated. Therefore, development at this site has the potential to have a minor negative effect on biodiversity, although this is uncertain as the potential for</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are no existing schools or colleges within walking distance (800m) of this site, which may otherwise have led to a potential</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			significant positive effect due to the potential for it to be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. Therefore, the score remains as a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There are a number of public footpaths within walking distance (800m) of this site, including three that cross the site itself. However, there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is not within or adjacent to an AQMA and an overall minor positive effect is therefore likely.</p>
8. Labour market and economy			
a) To create high quality employment	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
opportunities and develop a strong culture of enterprise and innovation.	requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. <ul style="list-style-type: none"> • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 		employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	This site is within an area that is classed as being of medium landscape sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development. Development of this site is not expected to result in settlement coalescence.
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
facilities.			facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is mainly classified as being Grade 3 agricultural land, with around a third of the site in the east being Grade 2; therefore development of this site would have a minor negative effect on preserving soil quality. The site is mainly greenfield which would contribute further to the likely negative effect already identified.</p> <p>In relation to land instability, a negligible effect is likely as this site is almost entirely classed as Category B land where slope instability problems are either not thought to occur or not likely to occur, and a small area in the centre of the site is Category A land where instability issues are even less likely to occur.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? 	0	This site is mainly on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
sustainable management of waste.	<ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		of the development; therefore development here will have a negligible effect on this objective.
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	-?	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site lies mainly outside of flood zones 2 and 3 although a small area along the southern boundary is within flood zones 2 and 3. Therefore, a minor negative effect is likely in relation to flood risk. Although, all negative effects are uncertain.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+ / 0	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>This site is not adjacent to any strategic roads or industrial areas, which could otherwise have meant that new residents may be adversely affected by noise. Therefore, a negligible effect is likely in relation to noise.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 2.3km to the west; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	- ?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that there are two listed buildings/structures located within 700m to the south of this site.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+ / - ?	<p>There are a number of potential Local Wildlife Sites within 1km of this site, including one which is within approximately 125m to the north of the site; however these sites have not yet been designated. Therefore, development at this site has the potential to have a minor negative</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are no existing schools or colleges within walking distance (800m) of this site, which may otherwise have led to a potential</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			significant positive effect due to the potential for it to be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. Therefore, the score remains as a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There are a number of public footpaths within walking distance (800m) of this site, including one that buffers the north eastern corner of the site. However, there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is not within or adjacent to an AQMA and an overall minor positive effect is therefore likely.</p>
8. Labour market and economy			
a) To create high quality employment	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
opportunities and develop a strong culture of enterprise and innovation.	requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. <ul style="list-style-type: none"> Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 		employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	This site is within an area that is classed as being of medium landscape sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development. Development of this site is not expected to result in settlement coalescence.
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and	<ul style="list-style-type: none"> Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. Appropriate community, social and transport infrastructure. 	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
facilities.			facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	--/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>More than half of this site is classified as being Grade 2 agricultural land, with around a third of the site in the west being Grade 3; therefore development of this site would have a significant negative effect on preserving soil quality. The site is on greenfield which would contribute further to the likely negative effect already identified.</p> <p>In relation to land instability, a negligible effect is likely as this site is entirely classed as Category B land where slope instability problems are either not thought to occur or not likely to occur.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? Make positive provision for appropriate sites for waste management facilities including waste to 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
waste.	energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste?		
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site lies entirely outside of flood zones 2 and 3; therefore, a negligible effect is likely in relation to flood risk.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+ / 0	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>This site is not adjacent to any strategic roads or industrial areas, which could otherwise have meant that new residents may be adversely affected by noise. Therefore, a negligible effect is likely in relation to noise.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 3km to the west; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	- ?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that there are two listed buildings located within 600m to the south east of this site, with the nearest being approximately 450m from the site boundary.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+ / - ?	<p>There are two potential Local Wildlife Sites within 1km to the north of this site, with the closest being around 850m away from the site boundary; however these sites have not yet been designated. Therefore, development at this site has the potential to have a minor</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are no existing schools or colleges within walking distance (800m) of this site, which may otherwise have led to a potential</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			significant positive effect due to the potential for it to be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. Therefore, the score remains as a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There are a number of public footpaths within walking distance (800m) of this site, including one that buffers the north eastern corner of the site. However, there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is not within or adjacent to an AQMA and an overall minor positive effect is therefore likely.</p>
8. Labour market and economy			
a) To create high quality employment	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
opportunities and develop a strong culture of enterprise and innovation.	requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. <ul style="list-style-type: none"> • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 		employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	This site is within an area that is classed as being of medium landscape sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development. Development of this site is not expected to result in settlement coalescence.
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
facilities.			facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	--/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>Most of this site is classified as being Grade 2 agricultural land, with a small area of the site in the north east being Grade 3; therefore development of this site would have a significant negative effect on preserving soil quality. The site is on mainly greenfield land which would contribute further to the likely negative effect already identified.</p> <p>In relation to land instability, a negligible effect is likely as this site is mainly classed as Category B land where slope instability problems are either not thought to occur or not likely to occur, with a small area in the centre of the site being Category A where instability issues are even less likely to occur.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? 	0	This site is mainly on greenfield land; therefore there are not likely to be the same opportunities that may exist on an entirely or mainly brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
sustainable management of waste.	<ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 		by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	-?	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site lies mainly outside of flood zones 2 and 3 although a small area in the south of the site is classed as flood zones 2 and 3; therefore, a minor negative effect is likely in relation to flood risk depending on how development is distributed within the site, i.e. whether that area is built on, which is uncertain.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-0	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>This site is not adjacent to any strategic roads or industrial areas, which could otherwise have meant that new residents may be adversely affected by noise. Therefore, a negligible effect is likely in relation to noise.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 3km to the west; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	0	<p>This is within an area classed as having no known assets/issues in terms of cultural heritage, therefore a negligible effect is likely.</p> <p>It is noted that there is one listed building located approximately 950m to the north of this site.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+/-?	<p>There are a number of potential Local Wildlife Sites within 1km of this site, with the closest being around 300m to the north of the site boundary; however these sites have not yet been designated. Therefore, development at this site has the potential to have a minor</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are no existing schools or colleges within walking distance (800m) of this site, which may otherwise have led to a potential</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			significant positive effect due to the potential for it to be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. Therefore, the score remains as a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There are a number of public footpaths within walking distance (800m) of this site, including one that runs along the eastern side of the site and one that buffers the boundary in the north western part of the site. However, there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is not within or adjacent to an AQMA and an overall minor positive effect is therefore likely.</p>
8. Labour market and economy			
a) To create high	• An adequate supply of land, skills and	+	All of the site options are likely to have a minor positive effect on this

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<p>infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment.</p> <ul style="list-style-type: none"> • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 		<p>SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>This site is within an area that is classed as being of medium landscape sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
services and facilities.	infrastructure.		as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
b) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	--/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>Most of this site is classified as being Grade 2 agricultural land, with a small proportion of the site in the east being Grade 3; therefore development of this site would have a significant negative effect on preserving soil quality. The site is on greenfield land which would contribute further to the likely negative effect already identified.</p> <p>In relation to land instability, a negligible effect is likely as this site is mainly classed as Category B land where slope instability problems are either not thought to occur or not likely to occur, with a small area in the east of the site being Category A where instability issues are even less likely to occur.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling 	0	This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on an entirely or mainly brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
achieve the sustainable management of waste.	/ composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste?		incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	• Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)?	0	Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites. It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site lies entirely outside of flood zones 2 and 3; therefore, a negligible effect is likely in relation to flood risk. It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+ / 0	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>This site is not adjacent to any strategic roads or industrial areas, which could otherwise have meant that new residents may be adversely affected by noise. Therefore, a negligible effect is likely in relation to noise.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 3km to the west; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	- ?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that there are two listed buildings located within 1km of this site, with the nearest being approximately 850m to the north.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+ / - ?	<p>There are a number of potential Local Wildlife Sites within 1km of this site, with the closest being around 300m to the north west of the site boundary; however these sites have not yet been designated. Therefore, development at this site has the potential to have a minor</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are no existing schools or colleges within walking distance (800m) of this site, which may otherwise have led to a potential</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			significant positive effect due to the potential for it to be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. Therefore, the score remains as a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There are a number of public footpaths within walking distance (800m) of this site, including one that runs along the western side of the site. However, there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is not within or adjacent to an AQMA and an overall minor positive effect is therefore likely.</p>
8. Labour market and economy			
a) To create high quality employment	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
opportunities and develop a strong culture of enterprise and innovation.	requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. <ul style="list-style-type: none"> • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 		employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	This site is within an area that is classed as being of medium landscape sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development. Development of this site is not expected to result in settlement coalescence.
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
facilities.			facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is classified as being Grade 3 agricultural land; therefore development of this site would have a minor negative effect on preserving soil quality. The site is on greenfield land which would contribute further to the likely negative effect already identified.</p> <p>In relation to land instability, a negligible effect is likely as this site is entirely classed as Category B land where slope instability problems are either not thought to occur or not likely to occur.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least 	0	<p>This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on an entirely or mainly brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	favoured option? • Encourage the reduction in the production and movement of hazardous waste?		
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site lies mainly outside of flood zones 2 and 3 (aside from a very small area in the south of the site); therefore, a negligible effect is likely in relation to flood risk.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<ul style="list-style-type: none"> a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality. 	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+ / 0	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>This site is not adjacent to any strategic roads or industrial areas, which could otherwise have meant that new residents may be adversely affected by noise. Therefore, a negligible effect is likely in relation to noise.</p> <p>This site is not within very close proximity of an AQMA, with the nearest one being approximately 3km to the west; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<ul style="list-style-type: none"> a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings). 	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	- ?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage</p> <p>It is noted that the Great Houghton Conservation Area lies approximately 600m from this site to the north, which includes a number of listed buildings. There are two further listed buildings in between the Conservation Area and this site, with the nearest being approximately 280m to the north.</p>
3. Biodiversity, flora and fauna			
<ul style="list-style-type: none"> a) Maintain and enhance the structure and function of habitats 	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 	+ / - - ?	<p>There is a potential Local Wildlife Site within the boundary of this site, in the eastern part. There are also a number of others within 1km of the site (however these sites have not yet been designated). Therefore, development at this site has the potential to have a</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are no existing schools or colleges within walking distance (800m) of this site, which may otherwise have led to a potential</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			significant positive effect due to the potential for it to be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. Therefore, the score remains as a minor positive effect.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>There are a number of public footpaths within walking distance (800m) of this site, including two within the site itself. However, there are no doctor's surgeries or hospitals within walking distance. Therefore, this site is not considered likely to have a significant positive effect, which might have otherwise occurred due to the potential for it to be easier and more resource/cost efficient to expand existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area.</p> <p>This site is not within or adjacent to an AQMA and an overall minor positive effect is therefore likely.</p>
8. Labour market and economy			
a) To create high quality employment	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
opportunities and develop a strong culture of enterprise and innovation.	requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. <ul style="list-style-type: none"> • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 		employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	This site is within an area that is classed as being of medium landscape sensitivity. Therefore development here could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development. Development of this site is not expected to result in settlement coalescence.
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
facilities.			facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is classified as being Grade 3 agricultural land; therefore development of this site would have a minor negative effect on preserving soil quality. The site is on greenfield land which would contribute further to the likely negative effect already identified.</p> <p>In relation to land instability, a negligible effect is likely as this site is entirely classed as Category B land where slope instability problems are either not thought to occur or not likely to occur.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> Explicitly set out to reduce the amount of waste generated by development and land use change? Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least 	0	<p>This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on an entirely or mainly brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	favoured option? • Encourage the reduction in the production and movement of hazardous waste?		
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. This site lies entirely outside of flood zones 2 and 3; therefore, a negligible effect is likely in relation to flood risk.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-0	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is not within close proximity of either the strategic road network or industrial areas; therefore a negligible effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>This site is not within close proximity of an AQMA; therefore a negligible effect is also likely in relation to air quality and an overall mixed (minor positive and negligible) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage</p> <p>It is noted that the northern boundary is within 1km of the Great Houghton and Little Houghton Conservation Areas, and within 1km of a number of listed buildings. The closest listed building to the north western corner of the site is 20 and 22 The Green (Grade II), which is approximately 180m away from the site boundary.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 		<p>There are a number of potential Local Wildlife Sites within close proximity of this site, including one within the northern part of the site itself.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>This site is within walking distance (800m) of one school, Little Houghton Church of England Primary School which is located</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			approximately 640m to the north. Therefore, it could be easier and more resource/cost efficient to expand that existing facility to accommodate new residents as required, rather than building new schools within the SUE area. However, there is uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand this school if required.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>Three footpaths cross the site either from north to south or east to west, and a bridleway which is adjacent to the north eastern corner of the site. In addition, a number of footpaths and Amenity Green Spaces (The Cross AGS, The Cross Great, The Green, War Memorial and Willow Crescent Open Space) are located within walking distance (800m) to the north west of the site. Brackmills Country Park is located approximately 350m to the west of the site. Therefore, this site may have a significant positive effect because of the potential for new residents to use these facilities and recreational areas as well as the new ones. However, there are no existing hospitals or doctor's surgeries within walking distance of the site; therefore the score remains as minor rather than significant positive.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			This site is not within or adjacent to an AQMA.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The majority of this site is within an area that is classed as being of high sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement coalescence.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and 		The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
and sustainable population structure with good access to services and facilities.	<p>appropriate housing for older people in locations close to local services/facilities.</p> <ul style="list-style-type: none"> • Appropriate community, social and transport infrastructure. 	+	It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is on Grade 3 agricultural land; therefore, development at this site would have a minor negative effect on preserving soil quality. The site is greenfield, which would contribute further to the already negative likely effect identified.</p> <p>The entire site is classed as being Category B for ground instability. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely.</p> <p>This site does not include any Local Geological Sites.</p>
14. Waste			
a) To reduce waste generation and disposal, increase	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re- 		This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
recycling and achieve the sustainable management of waste.	cycled materials and make provision for recycling / composting in all new development? <ul style="list-style-type: none"> • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is bordered by a strategic road (the A428 in to Northampton) at its northern edge, which could result in noise disturbance for residents.</p> <p>There are no AQMAs within close proximity to the SUE site.</p> <p>Therefore, overall, the site has potentially mixed effects for this objective.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage</p> <p>It is noted that the western boundary is within 250m of Great Houghton Conservation Area, and within 1km of 14 listed buildings within the conservation area and 2 listed buildings just outside. The closest listed building to the west is Sunnybank (Grade II), which is approximately 130m away from the site boundary. Additionally, the Northern boundary is within 250m of Little Houghton Conservation Area, and within 1km of 38 listed buildings which are located within it. The closest listed building to the north is The Old School House (Grade II), which is approximately 170m away.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the structure and function of habitats	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the 		<p>Upper Nene Valley Gravel Pits RAMSAR, SPA and SSSI is located within 1km to the north of the site. There are also three Local Wildlife Sites (Hardingstone Dyke, Hardingstone Flood storage Area and Little Houghton Gravel Pits) within 1km of the northern boundary of the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	<p>+/-?</p>	<p>There is also two Potential Wildlife Sites within the boundary of the site, and a number located within 1km of the site.</p> <p>Therefore, development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective and a mixed effect is likely overall.</p> <p>The site includes an area categorised as optimal/suitable for feeding or roosting by golden plover or lapwing identified in Figure 3 of 'Survey Work to Support the Appropriate Assessment for the West Northamptonshire Joint Core Strategy' (Environ, Feb 2010). If this site is developed, it could result in the loss of this habitat which may support qualifying bird species of the Upper Nene Gravel Pits SPA and Ramsar site.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	<p>0</p>	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	<p>++?</p>	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>This site is within walking distance (800m) of one school, Little Houghton Church of England Primary School which is located</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			approximately 130m to the north. Therefore, it could be easier and more resource/cost efficient to expand that existing facility to accommodate new residents as required, rather than building new schools within the SUE area. However, there is uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand this school if required.
6. Energy and climatic factors			
<ul style="list-style-type: none"> a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity. 	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
<ul style="list-style-type: none"> a) To improve health and reduce health inequalities. 	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>Three footpaths cross the site via the bottom and top western corners, and a bridleway forms the eastern boundary of the site. In addition, a number of footpaths and Amenity Green Spaces (The Cross AGS, The Cross Great, The Green, War Memorial and Willow Crescent Open Space) are located within walking distance (800m) to the west of the site. Willow Crescent Open Space is located on the western site boundary. Brackmills Country Park is located approximately 490m to the west of the site. Therefore, this site may have a significant positive effect because of the potential for new residents to use these facilities and recreational areas as well as the new ones. However, there are no existing hospitals or doctor's surgeries within walking distance of the site; therefore the score remains as minor rather than significant positive.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			This site is not within or adjacent to an AQMA.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The majority of this site is within an area that is classed as being of high sensitivity. Therefore development here could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>In addition, development of this site could contribute to settlement coalescence as the SUE would connect the two separate villages of Great Houghton in the west and Little Houghton in the north to create an almost continuous urban area.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and	• Development which delivers an appropriate mix		The provision of housing is addressed separately under SA objective 10

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
maintain a balanced and sustainable population structure with good access to services and facilities.	of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure.	+	above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>This site is on Grade 3 agricultural land; therefore, development at this site would have a minor negative effect on preserving soil quality. The site is greenfield, which would contribute further to the already negative likely effect identified.</p> <p>This site does not include any Local Geological Sites.</p> <p>The site is classed as being both Category A and B for ground instability. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely.</p>
14. Waste			
a) To reduce waste generation and	• Explicitly set out to reduce the amount of waste generated by development and land use change?		This site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>