



ABERDEENSHIRE

Strategic Environmental
Assessment

Assessment of sites – Formartine

January 2023

Strategic Environmental Assessment of New Allocated Sites and Alternative Bids – Formartine

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BALMEDIE

Preferred Sites

Site Ref: OP1 (FR077) Land at Balmedie South		Proposal: 80 homes, 11ha employment land, mixed commercial land, retail and hotel	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ Balmedie Waste Water Treatment Works (WWTW) does not have capacity, but a potential growth project is underway investigation. SEPA requires connection to the public sewer for all new developments in Balmedie to protect Balmedie Bathing Beach. Local sewer reinforcement and Drainage Impact Assessment (DIA) may also be required. This is a reversible short-term impact. ○ Invercarnie / Mannofield/Turriff Water Treatment Works (WTW) has capacity for this area, but local mains reinforcement maybe required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ No flood risks, but as a watercourse runs through the site a Flood Risk Assessment may be required. ○ Car use/CO₂ emissions could be mitigated through being in close proximity to amenities of Balmedie, with employment opportunities not too far away, and public transport options available (bus links). 	0
Soil	0	<ul style="list-style-type: none"> ○ A proposal of this scale will cause a significant loss of valuable agricultural land (i.e. through increases in concentrations of contaminants, soil sealing, structural change in soils and change in soil organic matter). ○ Impacts are likely to be localised and medium/long term. However, the site is a logical extension to the settlement in terms of proximity from services and meeting housing employment and retail need and would offer potential benefits in terms of increased biodiversity. 	0
Biodiversity	+/-	<ul style="list-style-type: none"> ○ Sands of Forvie SAC and Ythan Estuary, Sands of Forvie and Meikle Loch SPA are set to the northeast. No significant loss of land for geese foraging or roosting is anticipated. ○ The development will enhance biodiversity through enhancement and extension of existing woodland to the south and provide links to green space network within the settlement. 	+
Landscape	0	<ul style="list-style-type: none"> ○ Site temporarily changed due to AWPR compound. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. 	0

Material Assets	+	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure – education capacity/contributions will have been factored into the developer’s viability considerations. ○ Affordable housing to be provided. 	+
Population	+	The development would provide a good mix of house type and size.	+
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Links and improved access to open space. ○ Potential employment opportunities – live/work balance. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP2 (FR124) Land south of Chapelwell		Proposal: 220 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ Balmedie WWTW currently does not have capacity, but a potential growth project is under investigation. SEPA requires connection to the public sewer for all new developments in Balmedie to protect Balmedie Bathing Beach. Local sewer reinforcement and DIA may also be required. This is a reversible short-term impact. ○ Invercarnie / Mannofield/Turriff WTW has capacity for this area, but local mains reinforcement maybe required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ No flood risks, but as a watercourse runs adjacent to the site a Flood Risk Assessment may be required. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ A small area of prime agricultural land within the site which will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	-

Biodiversity	+	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie are set to the northeast. The site is at a relatively close proximity to the qualifying sites and would have an effect indirectly through drainage. ○ Recreational access to the site is actively managed by the RSPB. SNH advise that there should be no additional pressures from visitors where facilities and visitor management plans are in place. No significant issues from increased public access is foreseen. No significant loss of land for geese foraging or roosting is anticipated. ○ The development will enhance biodiversity through enhancement and extension of existing woodland area to the south and provide links to green space network within the settlement. 	+
Landscape	0	<ul style="list-style-type: none"> ○ Significant development would further alter the character of the area; however, it already has an allocation. However, the site is relatively flat and would appear to be a logical extension to the existing settlement. The impact could be mitigated by strategic landscaping/reinstatement of the woodland belt to the south. ○ Given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure – education capacity/contributions will have been factored into the developer’s viability considerations. ○ Affordable housing to be provided, in excess of policy requirements. 	+
Population	+	<ul style="list-style-type: none"> ○ A good mix of house types is proposed. ○ The development would allow integration of people through mixed tenure of housing. In any case, this would be mitigated through compliance with the Local Development Plan policies. 	+
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Links and improved access to open space. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR079 Site 1, East of A90, South Orrock, Balmedie		Proposal: Employment (Business & Offices, General Industrial, Storage & Distribution)	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale is likely to lead to a decrease in air quality due to the nature of the use for business and employment uses which are dislocated from a settlement and currently require vehicular transport. 	-
Water	-	<ul style="list-style-type: none"> ○ Balmedie WWTW currently does not have capacity, but a potential growth project is under investigation. SEPA requires connection to the public sewer for all new developments in Balmedie to protect Balmedie Bathing Beach. Local sewer reinforcement and DIA may also be required. This is a reversible short-term impact. ○ Invercannie / Mannofield/Turriff WTW has capacity for this area, but local mains reinforcement maybe required. ○ Some localised impacts on watercourses may occur during the development phase of this site if the northern part of the site were developed. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions although given the size of the site this is not likely to be significant. ○ This could be mitigated through the development of FR116 which is a very large residential development that could provide nearby homes for employees. The site is on a busy bus route so that could reduce commuter traffic. 	0
Soil	--	<ul style="list-style-type: none"> ○ The proposed development would result in the loss of some prime agricultural land and will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	--
Biodiversity	0/-	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are set to the north. This site is at a very close proximity to the qualifying sites and likely to have an impact on the qualifying species. The development could have an effect indirectly through recreation pressures, land take for development, and impact on geese grazing areas. Recreational access to the site is actively managed by the RSPB. ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Mitigation measures, such as a buffer strip next to an area of woodland or water course would reduce potential negative effects and provide biodiversity enhancement opportunities. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced but this has already occurred directly adjacent to the site with the construction of the new A90. The effects on landscape character would not be significant. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. 	0

Material Assets	0	○ The proposal will not lead to any significant pressure on local infrastructure.	0
Population	0	○ The site is currently dislocated from the settlement but within reasonable distance providing additional employment opportunities relatively close to Balmedie.	0
Human Health	0	○ Unlikely to have a significant impact on human health.	0
Cultural Heritage	0	○ Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR080 Site 2, East of A90, South Orrock, Balmedie		Proposal: Employment Land	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	○ The only potential impact would be localised due to the site being isolated away from any settlement yet consisting of an employment development which may include heavy industrial processes, etc. ○ Impact likely to be veiled due to new road being built on adjacent land.	-
Water	0	○ Balmedie WWTW currently does not have capacity, but a potential growth project is under investigation. SEPA requires connection to the public sewer for all new developments in Balmedie to protect Balmedie Bathing Beach. Local sewer reinforcement and DIA may also be required. This is a reversible short-term impact. ○ Invercannie / Mannofield/Turriff WTW has capacity for this area, but local mains reinforcement maybe required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term.	0
Climatic Factors	-	○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. This could be mitigated through the development of FR116 which is a very large residential development that could provide nearby homes for employees. The site is on a busy bus route so that could reduce commuter traffic.	0
Soil	-	○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	-

Biodiversity	+	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development will potentially result in the loss of existing trees, woodland and hedges. ○ Mitigation measures, such as a buffer strip next to an area of woodland or water course would reduce potential negative effects and provide biodiversity enhancement opportunities. 	+
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure. 	0
Population	0	<ul style="list-style-type: none"> ○ The site is currently dislocated from the settlement but within reasonable distance providing additional employment opportunities relatively close to Balmedie. 	0
Human Health	0	<ul style="list-style-type: none"> ○ Unlikely to have a significant impact on human health. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR089 Land at Keir Farm, Balmedie		Proposal: 500 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale is likely to lead to a decrease in air quality, which can be mitigated as the settlement is on a bus route. 	-/0
Water	-	<ul style="list-style-type: none"> ○ Balmedie WWTW currently does not have capacity, but a potential growth project is under investigation. SEPA requires connection to the public sewer for all new developments in Balmedie to protect Balmedie Bathing Beach. Local sewer reinforcement and DIA may also be required. This is a reversible short-term impact. ○ Invercarnie / Mannofield/Turriff WTW has capacity for this area, but local mains reinforcement maybe required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is good. 	0

		<ul style="list-style-type: none"> ○ The effect on the water environment also depends on; potential deterioration of a waterbody, the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. 	
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. This would be reduced if the proposal provided opportunities to live/work or land adjacent was allocated for employment uses. ○ This site is close to a busy bus route and this could mitigate the need for commuter car use. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in remediation of contaminated soil. 	0
Biodiversity	+	<ul style="list-style-type: none"> ○ Sands of Forvie SAC and Ythan Estuary, Sands of Forvie and Meikle Loch SPA are set to the northeast. The development could have an effect indirectly through recreation pressures, land take for development, drainage and impact on geese grazing areas. ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development will potentially result in the loss of existing trees, woodland and hedges. ○ Mitigation measures, such as a buffer strip next to an area of woodland or water course would reduce potential negative effects and provide biodiversity enhancement opportunities. 	+
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries, as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include social infrastructure and community facilities where a need has been identified, and these can be secured through developer obligations. 	0
Population	+	<ul style="list-style-type: none"> ○ A mix of house types is proposed and this will result in housing choice for all groups of the population. 	+
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths, but provides opportunities for open space. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Cultural Heritage	--	<ul style="list-style-type: none"> ○ Potential for an adverse impact on schedule monument Hare Cairn. Restricting development to the east (next to the road) may help mitigate impact. 	-/0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR103 Land at Blairton Farm, Balmedie		Proposal: 6 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	0	<ul style="list-style-type: none"> ○ Balmedie WWTW currently does not have capacity, but a potential growth project is under investigation. SEPA requires connection to the public sewer for all new developments in Balmedie to protect Balmedie Bathing Beach. Local sewer reinforcement and DIA may also be required. This is a reversible short-term impact. ○ Invercarnie / Mannofield/Turriff WTW has capacity for this area, but local mains reinforcement maybe required. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. 	0
Soil	+	<ul style="list-style-type: none"> ○ The proposed development could result in remediation of contaminated soil. 	+
Biodiversity	-	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are set to the north. No significant loss of land for geese foraging or roosting is anticipated. Recreational access to the site is actively managed by the RSPB. ○ The development is likely to adversely affect populations of protected species, including European Protected Species, their habitats and resting places or roosts as bats may be using the site. ○ The development may result in the loss of existing trees, woodland and hedges. ○ The development will enhance biodiversity through redevelopment of brownfield land. ○ Mitigation measures, such as a buffer strip next to an area of woodland or water course would reduce potential negative effects and provide biodiversity enhancement opportunities. 	0
Landscape	0	<ul style="list-style-type: none"> ○ Given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. The impact will depend on the level of existing landscaping being retained. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There are infrastructure constraints associated with the site relating to education provision at Balmedie Primary School, which could have a temporary effect. However, the scale of development would not lead to a significant level of contribution towards the school. ○ The proposal will not lead to any significant pressure on local infrastructure. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include infrastructure and community facilities, and where needs are identified mitigation could be sought through developer obligations. 	0
Population	0	<ul style="list-style-type: none"> ○ A limited mix of house types is proposed resulting in a reduced housing choice for all groups of the population, although semi-detached housing is welcomed. This can be mitigated through Local Development Plan policies that ensure that developments are made up of mixed sustainable communities with a minimum of 25% affordable housing. 	+

Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	+	<ul style="list-style-type: none"> ○ Unlikely to have any effects on the historic environment and could improve it. ○ Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets. ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. 	+
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR116 Land at Blairton, Balmedie		Proposal: 1650 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	--	<ul style="list-style-type: none"> ○ In terms of air quality, the development is likely to have long-term negative effects on air quality due to transport emissions resulting from this scale of development. ○ However, it is in an accessible location close to a busy bus route that could help to reduce commuter traffic. 	-
Water	--	<ul style="list-style-type: none"> ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ Balmedie WWTW does not have capacity, but a potential growth project is under investigation. Additional WWTW would be required but this is a generic issue and a growth project would be expected for a development of this scale. SEPA requires connection to the public sewer for all new developments in Balmedie to protect Balmedie Bathing Beach. Local sewer reinforcement and DIA may also be required. This is a reversible short-term impact. ○ Invercarnie / Mannofield/Turrieff WTW has capacity for this area, but local mains reinforcement maybe required. 	0
Climatic Factors	--	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. This would be reduced if the proposal provided opportunities to live/work or land adjacent was allocated for employment uses and has sufficient public transport (Balmedie is on a major bus route). 	-
Soil	--	<ul style="list-style-type: none"> ○ The proposed development would result in the loss of prime agricultural land and will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	--
Biodiversity	+/-	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are set to the north. This site is at a very close proximity to the qualifying sites and likely to have an impact on the qualifying species. The development could have an effect 	?

		<p>indirectly through recreation pressures, land take for development, and impact on geese grazing areas. The proposal would need to connect to a public sewer to mitigate effects on the designations.</p> <ul style="list-style-type: none"> ○ This is certain to have a significant detrimental impact on the local environment and natural beauty. The increase in public access would have a devastating impact (litter, noise, dog walking and fouling, domestic cats) on the fragile local flora (Marram grass, Northern Marsh Orchid, Wild Pansy) and wildlife (deer, buzzards, marine birds and mammals, etc.). Areas of natural beauty and established woodland should be protected wherever possible. A wide buffer strip will be required. ○ The development of commercial arable agricultural land to residential and community uses including green corridors, riparian areas and park land will lead to an opportunity to significantly improve the biodiversity of site. ○ The development would help preserve the existing Local Nature Conservation Area adjacent to the site and will enhance biodiversity through provision of a significant amount of semi-natural space. ○ The development would enhance existing green networks and improve connectivity/function or create new links where needed. 	
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in a specific part of the area will be changed and be displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. However, given the development would be in keeping with the pattern of settlement along the coast and would protect the most sensitive landscape features, this impact is not likely to be significant in the long-term and the effects are only likely to have a low impact in the long-term. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The site has very limited constraints in terms of vehicular access as a grade separated junction off the new A90 would provide excellent access to the site from and to Aberdeen without the need to access via Balmedie. ○ Proposal of this scale could have a positive effect through provision of affordable housing, water/waste water infrastructure and transportation infrastructure. ○ The developer has not proposed a new secondary school and as such the scoring reflects that this has not been addressed in the submission. If a secondary site could be made available, then this proposal would receive a ++ score. 	+
Population	+	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in a housing choice for all groups of the population. ○ If employment land and mixed use. The development would allow integration of people; where they meet and work. Employment opportunity in the village. 	+
Human Health	+	<ul style="list-style-type: none"> ○ It would result in a significant increase in open space, green networks and connectivity leading to a benefit to human health. ○ If a community campus could be provided, this would avoid the need for travel and enhance non-motorised options for access to secondary school provision in the area 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR022 Land at Millden, Balmedie		Proposal: 500 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	--	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a significant decrease in air quality (i.e. through increases in concentrations of air pollutants) due to increased traffic flow in Balmedie. The development of employment land is likely to worsen air quality if that development will be for heavy and chemical processing. ○ The site is near to services and a busy bus route so this could reduce private vehicle emissions. 	-
Water	--	<ul style="list-style-type: none"> ○ The WWTW is not available for this area. The proposal is likely to have a significant negative effect. Impacts are likely to be localised and medium/long-term. This impact would be mitigated if the development could connect to the public sewer. ○ Balmedie WWTW currently does not have capacity, but a potential growth project is under investigation. SEPA requires connection to the public sewer for all new developments in Balmedie to protect Balmedie Bathing Beach. Local sewer reinforcement and DIA may also be required. ○ Invercarnie / Mannofield/Turriff WTW has capacity for this area, but local mains reinforcement maybe required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies is poor. The effects could be significant in the longer-term. A buffer strip could potentially mitigate this impact. 	-
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, there is a good bus service so the emission increase would be less than a similar development in a more remote location. ○ The site is within an area identified as low flood risk. Impacts are likely to be localised and medium/long-term. 	-
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. These are considered neutral in impact. 	0
Biodiversity	+/-	<ul style="list-style-type: none"> ○ Sands of Forvie SAC and Ythan Estuary, Sands of Forvie and Meikle Loch SPA are set to the northeast. The development could have an effect indirectly through drainage, visitor pressure, impact of geese grazing grounds. The proposal would need to connect to a public sewer to mitigate effects on the designations. ○ However, the scale of the development would allow for good quality open space and could enhance biodiversity. 	+/-
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. 	0

Material Assets	+/-	<ul style="list-style-type: none"> o The proposal could have a long-term impact on the sewage network and schools without appropriate investment. This is considered to be a short-term impact. The proposal includes a primary school and where a need is identified for any other community facilities/infrastructure these could be mitigated through developer obligations. 	+
Population	- /?	<ul style="list-style-type: none"> o No indication of the mix of house types proposed could result in a limited housing choice for all groups of the population. In accordance with the LDP policy, a sustainable mix of house type and tenure would be required with a minimum of 25% affordable housing. 	+
Human Health	0/+	<ul style="list-style-type: none"> o Population not at risk from hazardous developments. o Will create opportunities for open space. Linkages are limited due to A90(TP to the east). 	0/+
Cultural Heritage	--	<ul style="list-style-type: none"> o There is potential for an adverse impact on scheduled monument The Temple Stones, stone circle NE of Potterton House. An assessment on its setting will be required as part of an EIA. 	--/?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR128 Land at Southfolds Farm, Balmedie		Proposal: 20 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> o Individual developments of this scale are unlikely to have any effect on air quality. 	0
Water	--	<ul style="list-style-type: none"> o A proposal is likely to have a significant negative effect as it will exceed public sewage treatment capacity. Impacts are likely to be localised and medium/long-term. This could be mitigated by the delivery of FR089 which would deliver a Scottish water growth project. o Balmedie WWTW currently does not have capacity, but a potential growth project is under investigation. SEPA requires connection to the public sewer for all new developments in Balmedie to protect Balmedie Bathing Beach. Local sewer reinforcement and DIA may also be required. This is a reversible short-term impact. o Invercannie / Mannofield/Turriff WTW has capacity for this area, but local mains reinforcement maybe required. 	0
Climatic Factors	?	<ul style="list-style-type: none"> o The Site is within an area identified as low flood risk. Impacts are likely to be localised and medium/long-term. o A proposal on this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	-	<ul style="list-style-type: none"> o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. o A proposal of this scale will cause a significant loss of valuable agricultural land (i.e. through increases in concentrations of a certain contaminant(s) in soil, soil sealing, structural change in soils and change in soil organic matter). Impacts are likely to be localised and medium/long-term. 	-

Biodiversity	0	<ul style="list-style-type: none"> ○ The proposal would have a neutral effect as it is of a scale or in a location which is unlikely to negatively affect a nature conservation site or wider biodiversity. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The scale and location of the proposal will have a negative impact on the landscape character, and the effect is likely to be long-term. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ However, given that over the long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. 	0
Material Assets	--	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access and education provision at Balmedie Primary School, which will have a long-term effect. These constraints could potentially be mitigated via developer obligations. 	-
Population	?	<ul style="list-style-type: none"> ○ The significance of effects are uncertain if the house type is unknown. This will be mitigated through the LDP policy for sustainable mixed houses with a minimum of 25% affordable housing. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. ○ The population is not at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR148, Hill of Keir		Proposal: 21 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments are unlikely to have any effects on air quality 	0
Water	--	<ul style="list-style-type: none"> ○ Balmedie WWTW has no capacity in the area WWT is likely to be through septic tanks. SEPA requires connection to the public sewer for all new developments in Balmedie to protect Balmedie Bathing Beach, but due to the location of the proposal, it is unlikely that this could be mitigated through connection to a mains sewer. Given the site's distance from the settlement, it is unlikely to have a significant effect on water quality. ○ Invercarnie / Mannofield/Turrieff WTW has capacity for this area, but local mains reinforcement maybe required. It does not propose private water abstraction. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The site has no land at flood risk. ○ Proposals of this scale are unlikely to have any effect on CO₂ emissions. 	0

Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The proposal would be unlikely to negatively affect a nature conservation site or wider biodiversity 	0
Landscape	--	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ However, given that over a long term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. ○ The landscape setting of the area may be impacted upon from the south. ○ This could potentially be mitigated through strategic planting / screening 	-
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access and education provision at Balmedie Primary. 	-
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. ○ This can be mitigated through Local Development Plan policies that ensure that developments are made up of mixed sustainable communities with a minimum of 25% affordable housing. 	+/-
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space ○ The population is not at risk from hazardous developments 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development is unlikely to have any effects on the historic environment 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

BARTHOL CHAPEL

Preferred Sites

Site Ref: OP1 (FR059) Land at Barthol Chapel, Inverurie		Proposal: 5 homes	
SEA Topics	Effect	Comments	Effect – post mitigation
		<p>Effects should be assessed in terms of</p> <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	0	<ul style="list-style-type: none"> ○ For the most part, individual developments of this scale are likely to have short to medium-term temporary insignificant effects on air quality, largely limited to the construction period. 	0
Water	--	<ul style="list-style-type: none"> ○ WWTW capacity is unknown for this area, but a private sewer is proposed, otherwise it will have to connect to a public sewer. If the site is allocated, this will be specified in the Settlement Statement. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. ○ With the information on the quality of water around the site, the effects could be significant in the longer term. ○ A watercourse runs through the site, so a buffer strip would be required to mitigate against any effects. If allocated, this mitigation would be stated in the development requirements of the opportunity site. A Flood Risk Assessment may be required. 	-/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, a site of this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development is not likely to maintain or enhance existing green networks. ○ However, some biodiversity enhancements are proposed. 	0/+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. 	0

		<ul style="list-style-type: none"> o However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. 	
Material Assets	+	<ul style="list-style-type: none"> o Development could support Barthol Chapel Primary School which is forecast to be significantly under capacity by 2022. o The proposal could lead to additional pressure on secondary school education and local roads infrastructure. Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. o Development seeks to retain land currently designated as protected land for open space, to be the 'village green' with a safe route to school. 	+/-
Population	+	<ul style="list-style-type: none"> o Development offers housing choice in areas which is largely limited in terms of availability of housing. 	+
Human Health	+	<ul style="list-style-type: none"> o Open space provision and enhancements proposed increases accessibility to green space. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> o No impact on cultural heritage. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

None.

BELHELVIE

Preferred Sites

None.

Alternative Sites

Site Ref: PLDP 2020 OP2 (FR131) Land at Cairntack (East)		Proposal: 41 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	--	<ul style="list-style-type: none"> ○ Balmedie WWTW currently does not have capacity, but a potential growth project is under investigation. DIA may be required. An upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ Invercannie / Mannofield/Turriff WTW has capacity for this area, but development will connect directly off trunk main and 24-hour storage will be required. Mains reinforcement may be required following a WIA for the District Metered Area. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	-/0
Climatic Factors	0/-	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. ○ Some surface water flood risk on site. SuDS or other measures (Flood Risk Assessment) would mitigate surface water drainage issues. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development would have no contribution in enhancing existing green networks and improving connectivity/function or creating new links. ○ Mitigation measures, such as native tree planting would reduce potential negative effects and provide biodiversity enhancement opportunities. If the site is allocated, these mitigation measures would be stated as part of the development requirements of the site. 	0

Landscape	-	<ul style="list-style-type: none"> ○ In light of the scale and location of the proposal, it would have minimal impact on the landscape character and the effect is likely to be short-term. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely education provision at Balmedie Primary School, and lack of WWTW capacity. Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	-/0
Population	0	<ul style="list-style-type: none"> ○ No mix of house types is proposed, resulting in a limited housing choice for all groups of the population. However, proposals must accord with the design policies in the LDP and include a mix of house types. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment as there is no special built heritage features set close to the site. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: PLDP 2020 OP3 (FR024) Land to the East of Cairn View		Proposal: 49 homes (increased from 25 homes)	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	--	<ul style="list-style-type: none"> ○ Balmedie WWTW currently does not have capacity, but a potential growth project is under investigation. DIA may be required. An upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ The WWTW could be resolved through communications with Scottish Water and if required a growth project, or by private drainage as proposed. ○ Invercannie / Mannofield/Turriff WTW has capacity for this area, but development will connect directly off trunk main and 24-hour storage will be required. Mains reinforcement may be required following a WIA for the District Metered Area. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. ○ The development is not within an identified flood risk area. 	0

Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ Unlikely to have a long-term adverse impact on biodiversity. ○ A range of biodiversity enhancements are proposed. ○ Sands of Forvie SAC and Ythan Estuary, Sands of Forvie and Meikle Loch SPA are set to the northeast. The development could have an effect indirectly through drainage, visitor pressure, impact of geese grazing grounds. ○ Recreational access to the site is actively managed by the RSPB. SNH advise that there should be no additional pressures from visitors where facilities and visitor management plans are in place. No significant issues from increased public access is foreseen. No significant loss of land for geese foraging or roosting is anticipated. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The proposal is of a scale and in a location which is unlikely to have any effect on landscape quality, subject to appropriate screening and design of the properties. If allocated, mitigation measures will be stated as part of the development requirements for the site or designated as protected land. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include community facilities and infrastructure. Where there is an identified need, these impacts can be mitigated through developer obligations. ○ There is insufficient education and WWTW provision, however, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	0
Population	0	<ul style="list-style-type: none"> ○ Some mix of house types proposed results in some housing choice for all groups of the population. The Local Development Plan policies that ensure that developments are made up of mixed sustainable communities with a minimum of 25% affordable housing. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ The development is unlikely to have any effect on existing pathways or access to existing open space. ○ The site is not within a hazardous site. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development will not have a long-term or permanent negative impact on any cultural heritage site due to its location. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR025 Cairntack (West), Belhelvie		Proposal: 50 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0

Water	--	<ul style="list-style-type: none"> ○ Balmedie WWTW currently does not have capacity, but a potential growth project is under investigation. DIA may be required. An upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ The WWTW could be resolved through communications with Scottish Water and if required a growth project, or by private drainage as proposed. ○ Invercarnie / Mannofield/Turriff WTW has capacity for this area, but development will connect directly off trunk main and 24-hour storage will be required. Mains reinforcement may be required following a WIA for the District Metered Area. 	-/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. ○ The development is not within an identified flood risk area. 	-/0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	+/-	<ul style="list-style-type: none"> ○ The site is adjacent to an area of semi-natural ancient woodland included in the long-established plantation origin, which could be affected. Effects could be mitigated by a buffer strip and new native woodland and improved connectivity. ○ A range of biodiversity enhancements are proposed. ○ Sands of Forvie SAC and Ythan Estuary, Sands of Forvie and Meikle Loch SPA are set to the northeast. The site could have an effect indirectly through drainage, visitor pressure, impact of geese grazing grounds. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The proposal is of a scale and in a location, which is unlikely to have any effect on landscape quality, subject to appropriate screening and design of the properties. If allocated, mitigation measures will be stated as part of the development requirements for the site or designated as protected land. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include community facilities and infrastructure. Where there is an identified need these impacts can be mitigated through developer obligations. ○ There is insufficient education and WWTW provision. However, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	0
Population	0	<ul style="list-style-type: none"> ○ Some mix of house types proposed results in some housing choice for all groups of the population. The Local Development Plan policies that ensure that developments are made up of mixed sustainable communities with a minimum of 25% affordable housing. 	+
Human Health	0	<ul style="list-style-type: none"> ○ The development is unlikely to have any effect on existing pathways or access to existing open space. ○ The site is not within a hazardous site. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development will not have a long-term or permanent negative impact on any cultural heritage site due to its location. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

BEREFOLD

Preferred Sites

None.

Alternative Sites

Site Ref: FR013 Land at the Former Overton Piggery, Berefold		Proposal: 6 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o Individual developments of this scale are unlikely to have any effect on air quality.	0
Water	--	o WWTW is not available for this area. Private treatment (septic tanks) will be required to mitigate effects.	0
Climatic Factors	-	o The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. This cannot be mitigated due to the location. o The development is not in an area identified at flood risk.	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0
Biodiversity	+	o The development will enhance biodiversity through redevelopment of brownfield land.	+
Landscape	-	o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. This could be mitigated through strategic planting and screening.	-
Material Assets	0	o The quality of new assets created through the development of this site would be minimal, due to the size of the development.	0
Population	-	o The proposal is all for detached houses with affordable housing contribution being proposed as a commuted sum.	-
Human Health	0	o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing.	0
Cultural Heritage	0	o Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

BLACKDOG

Preferred Sites

None.

Alternative Sites

Site Ref: FR057 Land to West of A90, Blackdog		Proposal: Commercial mixed use: Roadside Services, including petrol station, hotel, restaurant and drive-thru	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Local trade may increase traffic flow, but development is meant to cater for passing trade. ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	- /?	<ul style="list-style-type: none"> ○ Limited capacity at Strabathie WWTW and a potential growth project is under investigation. DIA required. The demand for water and wastewater capacity for the nondomestic element of this development will depend on the business use. This is a reversible short-term impact. ○ There is currently sufficient capacity at Invercannie / Mannofield/Turrieff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. ○ With the information on the quality of water around the site, the effects could be significant in the longer-term. 	- /?
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development is close to the AWPR and would be servicing passing vehicles, so it would not be considered to be generating additional CO₂ emissions. ○ Part of the development is in an area identified at flood risk and is likely to have a long-term effect on climate and the water environment. 	-
Soil	0/-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0

Biodiversity	?/-	<ul style="list-style-type: none"> ○ The development of a greenfield site could affect gorse bush/unfarmed land to the south of the site, and could have long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ NESBReC have recorded water vole on Blackdog Burn. It is unknown if the development is likely to adversely affect populations of protected species, including European Protected Species, their habitats and resting places or roosts. ○ Along the Blackdog Burn, the development could maintain or enhance existing green networks and improve connectivity/function or create new links where needed. ○ The development could fragment green networks, and cause habitat fragmentation/connectivity. ○ The development will result in the loss of existing gorse. ○ Mitigation measures, such as a buffer strip next to an area of woodland or water course would reduce potential negative effects and provide biodiversity enhancement opportunities. 	-
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced as there is limited development west of the A90. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ Due to the scale and location of the proposal, the landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, and naturalness will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-/?	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access and water and waste water infrastructure. These could be overcome by consulting with roads and Scottish Water. 	0
Population	0	<ul style="list-style-type: none"> ○ The development would allow integration of people to socialise. Employment opportunity in the area. 	0
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR113 Site OP1, Town Centre, Blackdog		Proposal: Identify as a principal town centre, the approved OP1 town centre development for 11,500sqm, retail floorspace, 850-seat cinema and 2,000sqm food and beverage (class 3) uses	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> ○ The proposal will increase traffic flow, especially from the cinema users, but it will serve the new Blackdog community, and the indicative masterplan shows land for a park and ride. ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	-

		<ul style="list-style-type: none"> There are good public transport links to Blackdog that could mitigate against private vehicle emissions. 	
Water	- /?	<ul style="list-style-type: none"> Limited capacity at Strabathie WWTW and a potential growth project is under investigation. DIA required. The demand for water and wastewater capacity for the nondomestic element of this development will depend on the business use. However, this is a significant development and these issues will be mitigated as part of the planning of the infrastructure required to support the development. This is a reversible short-term impact. There is currently sufficient capacity at Invercannie / Mannofield/Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. With the information on the quality of water around the site, the effects could be significant in the longer-term. 	- /?
Climatic Factors	-	<ul style="list-style-type: none"> The development could have a long-term negative impact due to attracting people to the area and increased emissions. However, a park and ride facility can be catered for within the site, and so its effects should not be significant. 	0
Soil	0/-	<ul style="list-style-type: none"> The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	+/-	<ul style="list-style-type: none"> The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. The development could affect the conservation objectives and natural features of a locally important designated site (Blackdog to Bridge of Don LNCS, which includes important coastal habitats and is popular with sea ducks in the winter and breeding birds) if not sensitively constructed and has inadequate SuDS. There are opportunities to enhance biodiversity. Mitigation measures, such as a buffer strip next to a water course would reduce potential negative effects and provide biodiversity enhancement opportunities. 	+/-
Landscape	0	<ul style="list-style-type: none"> Significant scale development that would further alter the character of the area. However, the site is farmland and is a planned extension to Blackdog. The impact could be mitigated by strategic landscaping. 	0
Material Assets	+	<ul style="list-style-type: none"> Providing the water and waste water issue can be resolved, the proposal will not lead to any significant pressure on other local infrastructure. It is also part of a larger proposal that will result in the upgrade of existing water and drainage infrastructure and provide open space opportunities. 	+
Population	0	<ul style="list-style-type: none"> The development would allow integration of people; where they meet and work. Employment opportunity in the village. 	0
Human Health	0/+	<ul style="list-style-type: none"> It would not result in the loss of core paths. It will provide small-scale opportunities for new areas of open space, as shown in the indicative masterplan of the approved PPP. 	0/+
Cultural Heritage	0	<ul style="list-style-type: none"> Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

COLLIESTON

Preferred Sites

None.

Alternative Sites

None.

CULTERCULLEN

Preferred Sites

None.

Alternative Sites

None.

CUMINESTOWN

Preferred Sites

Site Ref: OP1 (FR038 and FR039) Land to the north-west of Teuchar Road		Proposal: 60 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Developments of this scale are unlikely to have any effect on air quality. 	0
Water	--	<ul style="list-style-type: none"> ○ Cuminestown WWTW does not have the capacity to accommodate 60 homes. An upgrade to an adoptable standard would be required. Foul and surface water pipes cross the middle of OP1, from east to west. Scottish Water should be consulted to ascertain whether a diversion is required. This is a reversible short-term impact. ○ Turriff WTW has capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development is on a greenfield site near a watercourse where the quality of water bodies is bad. Impacts, if they occur will be long-term. ○ A watercourse runs through the site and a buffer strip would be required to mitigate against any effects. If allocated, the development requirements of the opportunity site would include a statement to reflect this requirement as an opportunity to enhance the riparian habitat. A flood risk assessment will be required. 	-/0
Climatic Factors	-	<ul style="list-style-type: none"> ○ A proposal on this scale is unlikely to have any effect on CO₂ emissions through increased car travel. ○ The development is within an area identified as medium/high flood risk. Impacts are likely to be localised and medium/long-term. ○ Development seeks to avoid the flood risk zone – this area could form part of the open space provision. A FRA will be required. If allocated, these mitigations would be stated in the development requirements of the opportunity site. 	-/0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. These will be short-term and should be considered a neutral impact. 	0
Biodiversity	+	<ul style="list-style-type: none"> ○ The proposal would have a positive effect as it proposes to conserve, protect and/or enhance significant habitat and maintain or enhance existing habitat connectivity (i.e. green networks) and create new connections. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The proposal is of a scale or in a location which is unlikely to have any effect on landscape quality. 	0

Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will have long-term negative effects on the sewage network unless resolved by investment. Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ Development will help sustain local services and facilities. 	0/+
Population	+	<ul style="list-style-type: none"> ○ A mix of house types results in housing choice for all groups of the population. 	+
Human Health	+	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effect on existing pathways or access to open space. ○ Population not at risk from hazardous developments. ○ Development of the site will lead to long-term improved access to existing open space (i.e. new pathways). 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development is unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

None.

DAVIOT

Preferred Sites

None.

Alternative Sites

Site Ref: FR018 West of Wellpark, Daviot		Proposal: 30 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For a development of this scale, air quality is likely to have a short to medium-term temporary insignificant effect. 	0
Water	-	<ul style="list-style-type: none"> ○ Daviot WWTW has limited capacity and could not service the full scale of the proposed development. An upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity, but development will connect directly off trunk main and 24-hour storage will be required. Mains reinforcement may also be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to key services) and increased emissions. No intervention is available to mitigate against this loss. 	-
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ Prime agricultural land is found within the proposed site and will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. This is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	-
Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ However, biodiversity enhancements are proposed. 	-/+
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. 	-

		<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ Development risks impacting on adjacent designed landscape (Daviot Estate) and potential negative landscape impacts on the approach to the village from the west. Due to the scale of development relative to the settlement, it is unlikely that strategic planting will mitigate impact. 	
Material Assets	-	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ There is a WWTW capacity issue, also an education issue as Meldrum Academy is forecast to be over capacity. Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ There are few facilities in the village and no services. 	0
Population	+/0	<ul style="list-style-type: none"> ○ The mix of house types proposed resulting in housing choice for all groups of the population. 	+/0
Human Health	+	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Good access to walking/cycling routes and promoting active travel to facilities such as the primary school and hall. 	+
Cultural Heritage	-	<ul style="list-style-type: none"> ○ Siting and scale of the development would impact on setting and sense of place provided by Daviot Estate. Due to the scale of the development relative to the settlement, it is unlikely that strategic planting will mitigate impact. 	-
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR081 Land at Whiteley Farm, Daviot		Proposal: 12 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	In terms of air quality, the development is likely to have a long-term negative effect on air quality, particularly in towns where air quality is approaching the EU objective.	0
Water	-	<ul style="list-style-type: none"> ○ Daviot WWTW has limited capacity and could not service the full scale of the proposed development. An upgrade to an adoptable standard would be required. Private drainage could be an option. This is a reversible short-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity, but development will connect directly off trunk main and 24-hour storage will be required. Mains reinforcement may also be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0

Climatic Factors	-	<ul style="list-style-type: none"> o The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. There are no measures available to mitigate against this. However, a proposal of this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	-	<ul style="list-style-type: none"> o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. o The site lies on prime agricultural land which is a limited resource and cannot be replaced. It will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. No intervention is available to mitigate against this loss. This would have a long-term impact. 	-
Biodiversity	0/-	<ul style="list-style-type: none"> o The ancient woodland associated with the estate is to be retained. As a mitigation against any negative impact, a buffer strip next to an existing area of ancient woodland would provide biodiversity enhancement. If the site is allocated, the need to integrate the woodland as a positive feature of the development together with a buffer strip will be stated as part of the development requirements for the site. 	+
Landscape	0	<ul style="list-style-type: none"> o The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations. o However, over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> o There are a number of infrastructure constraints associated with the site, namely education provision at Meldrum Academy, which will have a temporary affect. o There is also a WWTW capacity issue. Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. o The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. o The site is not connected to any settlement, and there are few facilities in the nearby village of Daviot and no services. 	0/-
Population	-	<ul style="list-style-type: none"> o No mix of house types is proposed, resulting in a limited housing choice for all groups of the population. Although proposals must accord with the design policies in the LDP and include a mix of house types, as the proposal is for self-build homes, it is unlikely there will be a mix of house types. 	+/0
Human Health	0	<ul style="list-style-type: none"> o It would not result in the loss of open space/core paths, and potentially new path links could be provided but the site is not well connected. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	-	<ul style="list-style-type: none"> o Site risks negative impact on the setting of the former designed landscape around the Daviot Estate. o As a mitigation against any negative impact, a buffer strip next to existing woodland should be planted. If the site is allocated, the need to integrate the woodland as a positive feature of the development together with a buffer strip will be stated as part of the development requirements for the site. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR100 Land Adjacent to Norven, Daviot		Proposal: 3 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ Daviot WWTW has limited capacity and could not service the full scale of the proposed development. An upgrade to an adoptable standard would be required. Private drainage has been proposed. Due to the scale of the development, this alternative method is acceptable. This is a reversible short-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity, but development will connect directly off trunk main and 24-hour storage will be required. Mains reinforcement may also be required. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, a proposal of this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Biodiversity enhancement is proposed however, this will only make a small-scale impact. 	0/+
Landscape	0/?	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects. ○ This is a small-scale development which benefits from existing screening to the east. Further landscaping would limit impact further. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely education provision at Meldrum Academy, which will have a temporary affect. ○ Consultation with relevant infrastructure provider will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	-

		<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ The site is not connected to any settlement, and there are few facilities in the nearby village of Daviot and no services. 	
Population	0	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. However, proposals must accord with the design policies in the LDP and include a mix of house types, but the scale of development would have a negative impact. 	-
Human Health	0/-	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The site is distant from the settlement with limited opportunity for foot/cycle path connectivity. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0/-
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR101 Land West of Daviot, Daviot		Proposal: 37 homes (self-build plots)	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For a development of this scale, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ Daviot WTW has limited capacity and could not service the full scale of the proposed development. An upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity, but development will connect directly off trunk main and 24-hour storage will be required. Mains reinforcement may also be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to key services) and increased emissions. No intervention is available to mitigate against this loss. 	0/-
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ Prime agricultural land is found within the proposed site and will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. This is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	-

Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ However, biodiversity enhancements are proposed. 	0/+
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ There is a WWTW capacity issue, also an education issue as Meldrum Academy is forecast to be over capacity. Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ There are few facilities in the village and no services. 	-
Population	-	<ul style="list-style-type: none"> ○ The mix of house types proposed would result in limited housing choice for the population. However, proposals must accord with the design policies in the LDP and include a mix of house types. 	-/+
Human Health	+	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Good access to walking/cycling routes, and facilities such as the primary school and hall. 	+
Cultural Heritage	-	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR102 Land North of Woodland Gardens		Proposal: 12 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	-	<ul style="list-style-type: none"> ○ Daviot WWTW has limited capacity and could not service the full scale of the proposed development. An upgrade to an adoptable standard would be required. Private drainage could be an option. This is a reversible short-term impact. 	0

		<ul style="list-style-type: none"> ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity, but development will connect directly off trunk main and 24-hour storage will be required. Mains reinforcement may also be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, site water budgets, silt deposition and water-borne pollution. The impact is likely to be short-term. 	
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. There are no measures available to mitigate against this. However, a proposal of this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The site lies on prime agricultural land which is a limited resource and cannot be replaced. It will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. No intervention is available to mitigate against this loss. This would have a long-term impact. 	-
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development has potential to enhance existing green networks and improve connectivity/function or create new links where needed. ○ As a mitigation against any negative impact, a buffer strip next to an existing area of ancient woodland would provide biodiversity enhancement. If the site is allocated, the need to integrate the woodland as a positive feature of the development together with a buffer strip will be stated as part of the development requirements for the site. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely education provision at Meldrum Academy, which will have a temporary effect. ○ There is also a WWTW capacity issue. Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ The site is not connected to any settlement, and there are few facilities in the village and no services. 	0/-
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. Although proposals must accord with the design policies in the LDP and include a mix of house types, as the proposal is for self-build homes, it is unlikely there will be a mix of house types. 	+/0

Human Health	+/?	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths, and potentially new path links could be provided but the site is not well connected. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+/?
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any significant effects on the historic environment as the site is remote (albeit close) from the House of Glack and its policies. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

ELLON

Preferred Sites

Site Ref: OP1 (FR090) Cromleybank		Proposal: 980 homes, a new Primary School and associated facilities, and 2ha of Employment Land	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> ○ In terms of air quality, the development is likely to have a long-term negative effect on the air quality, particularly in towns where air quality is approaching the EU objective. The development will increase traffic flow in Ellon. ○ A mixed-use development may mitigate transport related air pollution. Also, the site is near a busy bus route, which could reduce commuter traffic. 	-/0
Water	+	<ul style="list-style-type: none"> ○ Ellon WWTW once upgraded and / Invercannie / Mannofield/Turriff WTW will have capacity for this area. Sewage network investigations may be required as the demands of non-domestic developments will depend on the business use. WIA may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is good/high. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. ○ The site is bisected by, and adjacent to, watercourses. Buffer strips would be required to mitigate against any effects. If allocated, the development requirements of the opportunity site would include a statement to ensure the watercourses are integrated as positive features of the development. A flood risk assessment, water impact assessment and drainage impact assessment will also be required. 	+
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, the site is near/next to a busy bus route [railway station], which could reduce commuter traffic. ○ The development is in an area identified at risk from fluvial and surface water flooding and is likely to have a long-term effect on climate and the water environment. Part of the site found to be at risk from flooding could form part of the open space provision. If allocated, this mitigation would be stated in the development requirements for the site. A FRA will also be required. 	-/0
Soil	-/+	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	-/+

		<ul style="list-style-type: none"> ○ The proposed development would result in the loss of prime agricultural land and will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. ○ However, development will involve remediation of brownfield land. 	
Biodiversity	+	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA is set to the southeast. This site is at a very close proximity to the qualifying sites and likely to have an impact on the qualifying species. The development could have an effect indirectly through recreation pressures, land take for development, drainage and impact on geese grazing areas. ○ Recreational access to the site is actively managed by the RSPB. SNH advise that there should be no additional pressures from visitors where facilities and visitor management plans are in place. No significant issues from increased public access is foreseen. No significant loss of land for geese foraging or roosting is anticipated. ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Mitigation measures, such as a buffer strip next to an area of woodland or water course would reduce potential negative effects and provide biodiversity enhancement opportunities. This provides opportunity to enhance green networks. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	++	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ A proposal of this scale is expected to have a significant positive effect through provision of affordable housing, new community facilities (school), employment land and new public transport. ○ Development is also expected to provide new planting (enhancing green networks) and foot/cycle paths. ○ Transportation/access arrangements are not in place. Consultation with relevant infrastructure providers will be required. 	++
Population	+	<ul style="list-style-type: none"> ○ The mix of house types proposed will result in housing choice for all groups of the population. ○ The development would allow integration of people; where they meet and work. Employment opportunity in the settlement. 	+
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Cultural Heritage	--	<ul style="list-style-type: none"> ○ Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets. ○ Potential for adverse impact on both the site and setting of Category A Listed Old Bridge of Ellon. The development should be set back from the bridge (buffer strip) and possible use of strategic landscaping along River Ythan would mitigate effects. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP3 (FR011) Hillhead Drive		Proposal: 10 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects due to the scale of the development. 	0
Water	0	<ul style="list-style-type: none"> ○ Ellon WWTW once upgraded and / Invercarnie / Mannofield/Turriff WTW will have capacity for this area. ○ Some impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies is good. ○ The site is adjacent to a watercourse. A buffer strip would be required to mitigate against any effects and provide open space. If allocated, this mitigation would be stated in the development requirements of the opportunity site. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ A proposal on this scale is unlikely to have any effect on CO₂ emissions. The site is located adjacent to an existing settlement with good connectivity. ○ The development is in an area identified at risk from surface water flooding and is likely to have a long-term effect on climate and the water environment. Impacts are likely to be localised. This could be mitigated through a Flood Risk Assessment (FRA) and suitable SuDS. If allocated, this would be stated in the development requirements for the site. 	0
Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in the loss of agricultural land. Prime agricultural land is a limited resource and cannot be replaced. It will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. No intervention is available to mitigate against this loss. 	--
Biodiversity	+	<ul style="list-style-type: none"> ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development will enhance biodiversity due to the buffer strip around watercourse. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure. 	0
Population	-	<ul style="list-style-type: none"> ○ There is a limited mix of homes proposed which are focused for the families. However, proposals must accord with the design policies in the LDP and include a mix of house types. 	0/+

Human Health	0	o The development would not have any adverse impact on human health as there shall be no loss in core path or green network.	0
Cultural Heritage	0	o There is no historic feature near the site.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: CC1 (FR032) Waterton		Proposal: 10,000sqm retail and leisure uses	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o The development includes retail units and leisure facilities which would result in minimal or no effect on air quality.	0
Water	-	o Ellon WWTW once upgraded and / Invercarnie / Mannofield/Turriff WTW will have capacity for this area. Sewage network investigations may be required as the demands of non-domestic developments will depend on the business use. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o The proposed development on a greenfield site is near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is high.	-/?
Climatic Factors	-	o The development could have a long-term negative impact due to the likelihood of increased travel and increased emissions. o There is surface water and fluvial flooding risk associated with this site. This could be mitigated through appropriate SuDS treatment, and buffer strips. Also, a Flood Risk Assessment (FRA) may be required. If allocated, these mitigations would be stated in the development requirements for the site.	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0
Biodiversity	0/+	o The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. o The development would not degrade the existing biodiversity in the area. o Biodiversity enhancements are proposed.	0/+
Landscape	-	o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o The impact could be mitigated by strategic landscaping, and if allocated, this will be stated as part of the development requirements for the site or designated as protected land.	-/0

		<ul style="list-style-type: none"> o However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	
Material Assets	+	<ul style="list-style-type: none"> o Development presents infrastructural pressures associated with transport; water-delivery infrastructure; education; sewerage infrastructure; natural environment and waste management infrastructure (waste collection, transfer stations and composting facilities). o Consultation with relevant infrastructure providers will be required to identify mitigation measures for traffic/roads issues, WWTW, and if allocated, the Settlement Statement will specify how to mitigate against these effects. o However, development provides retail and leisure uses for the local community, together with open space provision and potential links to the core path network. 	+
Population	0	<ul style="list-style-type: none"> o The development would allow integration of people; where they live and work. Employment opportunity in the town. 	0
Human Health	+	<ul style="list-style-type: none"> o This would increase provision of open space with potential for links to the core path network. 	+
Cultural Heritage	-	<ul style="list-style-type: none"> o The development may have long-term and permanent negative effects on the siting of a Grade B listed building. The development may weaken the sense of place, and the identity of existing settlements. This can be mitigated with appropriate screening. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR092 Site at Cassiegills, Ellon		Proposal: 150 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> o In terms of air quality, the development is likely to have a long-term negative effect, particularly in towns where air quality is approaching the EU objective, including Ellon. o The site is on a bus route which could reduce commuter traffic. 	-/?
Water	0	<ul style="list-style-type: none"> o Ellon WWTW once upgraded and / Invercannie / Mannofield/Turriff WTW will have capacity for this area. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. 	0

		<ul style="list-style-type: none"> o The site is adjacent to watercourses and a buffer strip would be required to mitigate against any effects. There is also small-scale flood risk associated with the existing watercourses. If allocated, the development requirements of the opportunity site would state the need for buffer strips and also a Flood Risk Assessment to mitigate these effects. 	
Climatic Factors	-	<ul style="list-style-type: none"> o There would be minimal CO₂ emissions from general heating and travel. o The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel to services) causing increased emissions. o The development is in an area identified at low risk from confluvial and surface water flooding and is likely to have a long-term effect on climate and the water environment. However, part of the site found to be at risk from flooding could form part of the open space provision. A Flood Risk Assessment (FRA) may also be required. If allocated, these mitigations would be stated in the development requirements for the site. 	-/0
Soil	0	<ul style="list-style-type: none"> o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases 	0
Biodiversity	0	<ul style="list-style-type: none"> o Ythan Estuary, Sands of Forvie and Meikle Loch SPA is set to the southeast. This site is at a very close proximity to the qualifying sites and likely to have an impact on the qualifying species. The development could have an effect indirectly through recreation pressures, land take for development, drainage and impact on geese grazing areas. o The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. o Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	0/+
Landscape	-	<ul style="list-style-type: none"> o May generate significant landscape and visual impacts. The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	-/0
Material Assets	0	<ul style="list-style-type: none"> o The proposal will not lead to any significant pressure on local infrastructure. 	0
Population	+	<ul style="list-style-type: none"> o The mix of house types proposed will result in housing choice for all groups of the population. 	+
Human Health	0/+	<ul style="list-style-type: none"> o It would not result in the loss of open space/core paths. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0/+
Cultural Heritage	0	<ul style="list-style-type: none"> o Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR031 South of A920		Proposal: Mixed use development including 150 homes, retail and riverside park	
SEA Topics	Effect	Comments	Effect – post mitigation
		<p>Effects should be assessed in terms of</p> <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	-	<ul style="list-style-type: none"> ○ In terms of air quality, the development is likely to have long-term negative effects on air quality, particularly in towns where air quality is approaching the EU objective, including Ellon. ○ Development is mixed use and the site is next to a bus route, which are factors that could reduce commuter traffic. 	-/?
Water	--	<ul style="list-style-type: none"> ○ Ellon WWTW once upgraded and / Invercannie / Mannofield/Turrieff WTW have capacity for this area. Sewage network investigations may be required as the demands of non-domestic developments will depend on the business use. WIA may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is high. 	-/0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, the site is next to a bus route which could reduce commuter traffic. ○ There is small-scale, surface water flooding associated with this site. This could be mitigated through a Flood Risk Assessment (FRA) and buffer strips, and if allocated, these mitigations would be stated in the development requirements for the site. 	-/?
Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ There would be loss of prime agricultural land and will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	-	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA is set to the southeast. This site is at a very close proximity to the qualifying sites and could have an impact on the qualifying species. Impacts through drainage, visitor pressure, impact of geese grazing grounds may also occur. The proposal would need to connect to a public sewer to mitigate effects on the designations. ○ The proposal could affect woodland and scrub adjacent to the river Ythan. A buffer strip would be required. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. ○ The development would not degrade the existing biodiversity in the area. ○ Biodiversity improvements are proposed. ○ Mitigation measures such as compensatory planting would reduce potential negative effects and provide biodiversity enhancement opportunities. If the site is allocated, the need for compensatory planting and/or a buffer strip will be stated as part of the development requirements for the site. 	+

Landscape	-	<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ Significant scale development would further alter the character of the area. However, the site is relatively flat and the impact could be mitigated by strategic landscaping, and if allocated, this will be stated as part of the development requirements for the site or designated as protected land. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	-/0
Material Assets	--	<ul style="list-style-type: none"> ○ Development presents infrastructural pressures associated with transport (roads and bridges); water-delivery infrastructure; education; sewerage infrastructure; natural environment and waste management infrastructure (waste collection, transfer stations and composting facilities). ○ Mixed use development provides a positive impact, but large-scale development in this location presents an overdevelopment. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures for traffic, WWTW and school provision, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	-/+
Population	+	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in a reasonable housing choice for most groups of the population. 	+
Human Health	0/+	<ul style="list-style-type: none"> ○ Would not result in the loss of open space/core paths. ○ There is potential to improve core path links. 	0/+
Cultural Heritage	-	<ul style="list-style-type: none"> ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. ○ The development may have long-term and permanent negative effects on the siting of a Grade B listed building. The development may weaken the sense of place, and the identity of existing settlements. This can be mitigated with appropriate screening. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR063 Site 1, Adjacent to Golf View, Ellon		Proposal: 122 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> ○ In terms of air quality, the development is likely to have long-term negative effects on air quality, particularly in Ellon where air quality is approaching the EU objective. ○ There is a local bus service close by, but this is unlikely to reduce commuter traffic. 	-
Water	--	<ul style="list-style-type: none"> ○ Ellon WWTW once upgraded and / Invercarnie / Mannofield/Turriff WTW have capacity for this area. 	-/?

		<ul style="list-style-type: none"> ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ As a small watercourse runs through this site which floods (surface water) its effects on the water environment could be negative. ○ A watercourse runs through the site and a buffer strip would be required to mitigate against any effects. A Flood Risk Assessment may also be required. If allocated, these mitigations would be stated as part of the development requirements of the opportunity site. 	
Climatic Factors	-	<ul style="list-style-type: none"> ○ Given the location of the site and there is only one bus service passing the site, the development could have a medium-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. ○ The development is in an area identified at risk from surface water flooding and is likely to have a long-term effect on climate and the water environment. The proposed SuDS pond would help to mitigate flooding downstream as a result of the housing development. 	-/0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0/-	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA is set to the southeast. This site is at a very close proximity to the qualifying sites and likely to have an impact on the qualifying species. ○ The site is on farmland but is adjacent to Ellon Golf course and mature trees, where red squirrels have been recorded. As such, it is likely to have medium-term adverse impacts on biodiversity through disturbance to species that use the site as a habitat. However, animals may adjust to the presence of humans in the medium/long-term. ○ The development includes an area of the green network, which will form part of the open space. It is adjacent to the Formartine and Buchan Way. In light of this, the proposal is unlikely to significantly enhance existing green networks or improve connectivity/function or create new links where needed. ○ Mitigation measures, such as compensatory planting or a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. If the site is allocated, the need for compensatory planting and/or a buffer strip will be stated as part of the development requirements for the site. 	0
Landscape	--	<ul style="list-style-type: none"> ○ The development is a large extension into the landscape and would have a negative impact on the setting of Ellon and the landscape character, as much of the edge of Ellon in this area is screened by mature trees. Given the sensitivity of the site, the effect is likely to be long-term. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness will change. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ It may be possible to mitigate through strategic planting. If allocated, a visual and landscape impact assessment will be required and stated in the development requirements for the site. 	-/?
Material Assets	--	<ul style="list-style-type: none"> ○ Public sewage drainage is required, which will have a temporary effect subject to resolving these conditional matters. ○ The proposal will not lead to any significant pressure on other local infrastructure in the short-term – Ellon Academy is forecast to be at 93% by 2022. 	-/?

Population	-	o House types are to be confirmed. The indicative plan shows individual plots (no flats), thereby it could provide only a limited housing choice for all groups of the population. However, proposals must accord with the design policies in the LDP and include a mix of house types.	+
Human Health	0/+	o The provision of new housing in conformity with new building standards can enhance good health for people. o The development would have no positive or negative impact on human health.	0/+
Cultural Heritage	0	o The development is unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR064 Site 2, Adjacent to Golf View, Ellon		Proposal: Erection of 104 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	--	o Ellon WWTW once upgraded and / Invercannie / Mannofield/Turriff WTW have capacity for this area. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o As a small watercourse runs through this site which floods (surface water) its effects on the water environment could be negative. o A watercourse runs through the site and a buffer strip would be required to mitigate against any effects. A Flood Risk Assessment may also be required. If allocated, these mitigations would be stated as part of the development requirements of the opportunity site.	-/?
Climatic Factors	0/-	o Given the location of the site and there is only one bus service passing the site, the development could have a medium-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. o Land to the west and south of the development is in an area identified at risk from surface water flooding and is likely to have a long-term effect on climate and the water environment. The proposed SuDS pond would help to mitigate flooding downstream as a result of the housing development.	0/-
Soil	-/0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	-/0

		<ul style="list-style-type: none"> o A small part of the site includes prime agricultural land and will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	
Biodiversity	0/-	<ul style="list-style-type: none"> o Ythan Estuary, Sands of Forvie and Meikle Loch SPA is set to the southeast. This site is at a very close proximity to the qualifying sites and likely to have an impact on the qualifying species. o The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. o Construction of the site is likely to disturb species in and around the golf course, which has records of red squirrels, but the effect would be temporary. o Mitigation measures, such as compensatory planting or a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. If the site is allocated, the need for compensatory planting and/or a buffer strip will be stated as part of the development requirements for the site. 	0
Landscape	--	<ul style="list-style-type: none"> o The development is a moderately sized extension into the landscape and would have a negative impact on the setting of Ellon and the landscape character, as much of the edge of Ellon in this area is screened by mature trees. Given the sensitivity of the site, the effect is likely to be medium-term (i.e. if screening through strategic landscaping occurs). o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness will change. o The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o It may be possible to mitigate through strategic planting. If allocated, a visual and landscape impact assessment will be required and stated in the development requirements for the site. 	-/?
Material Assets	-	<ul style="list-style-type: none"> o Public sewage drainage is required, which will have a temporary affect subject to resolving these conditional matters. o The proposal will not lead to any significant pressure on other local infrastructures in the short-term – Ellon Academy is forecast to be at 93% by 2022. 	-/?
Population	-	<ul style="list-style-type: none"> o House types are to be confirmed. The indicative plan shows individual plots (no flats), thereby it could provide only a limited housing choice for all groups of the population. However, proposals must accord with the design policies in the LDP and include a mix of house types. 	+/0
Human Health	0	<ul style="list-style-type: none"> o The provision of new housing in conformity with new building standards can enhance good health for people. o The development would have no positive or negative impact on human health. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> o The development is unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR075 Parkview, Broomfield		Proposal: 3 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. ○ Developments of this scale are unlikely to have any effect on air quality. 	0
Water	-	<ul style="list-style-type: none"> ○ Ellon WWTW once upgraded and / Invercarnie / Mannofield/Turriff WTW have capacity but due to its location, septic tanks are required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short term. 	-
Climatic Factors	-	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emission from general heating and travel due to scale of development. ○ The development is in an area identified at surface water flood risk and may have a long-term effect on climate and the water environment. It is very likely this could be mitigated through suitable SuDS. A Flood Risk Assessment (FRA) may also be required, and if allocated, these mitigations would be stated as part of the development requirements for the site. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ There would loss of agricultural land, although it is minimal. This is not prime agricultural land. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The development would have a negative impact on the landscape character and the effect is likely to be long-term. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness will change. ○ The landscape would be altered, and a group of housing would be formed which would lose the identity of rural character. Screen planting is not likely to mitigate against this loss. 	-
Material Assets	0	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access and drainage, which will have a temporary effect, subject to resolving these conditional matters. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. Although proposals must accord with the design policies in the LDP and include a mix of house types, at this small scale there would be limited positive impact. 	-
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health for people. ○ The development would have no positive or negative impact on human health. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development is unlikely to have any effect on the historic environment. 	0
		+ = positive effect ++ = significant positive effect	

Key	- = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect	
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Site Ref: FR076 Hornhillock Broomfield, Ellon		Proposal: 3 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. ○ Developments of this scale are unlikely to have any effect on air quality. 	0
Water	-	<ul style="list-style-type: none"> ○ Ellon WWTW once upgraded and / Invercannie / Mannofield/Turriff WTW have capacity but due to its location, septic tanks are required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emission from general heating and travel due to scale of the development. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ There would loss of agricultural land, although it is minimal. This is not prime agricultural land. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The development would have a negative impact on the landscape character and the effect is likely to be long-term. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness will change. ○ The landscape would be altered, and a group of housing would be formed which would lose the identity of rural character. Screen planting is not likely to mitigate against this loss. 	-
Material Assets	0	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access and drainage, which will have a temporary effect subject to resolving these conditional matters. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed, resulting in a limited housing choice for all groups of the population. Although proposals must accord with the design policies in the LDP and include a mix of house types, at this small scale there would be limited positive impact. 	-
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health for people. ○ The development would have no positive or negative impact on human health. 	0

Cultural Heritage	0	o The development is unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR084 North of Waterton House, Ellon		Proposal: 10 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	o Developments of this scale are unlikely to have any significant effect on air quality.	0
Water	0	o WWTW connection to public drainage has been agreed (Invercarnie WTW would service this development), although there is no capacity for WWTW in the area.	0
Climatic Factors	0	o The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, the site has good proximity to business land and public transport network which could reduce the need for travel.	0
Soil	--	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. o There would be a loss of prime agricultural land and will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss.	--
Biodiversity	0	o Ythan Estuary, Sands of Forvie and Meikle Loch SPA is set to the southeast. This site is at a very close proximity to the qualifying sites and drainage is likely to have an impact on the qualifying species. There may also be issues through drainage, visitor pressure and impact on geese grazing grounds. o Recreational access to the site is actively managed by the RSPB. SNH advise that there should be no additional pressures from visitors where facilities and visitor management plans are in place. No significant issues from increased public access is foreseen. No significant loss of land for geese foraging or roosting is anticipated. o The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. o Agricultural land has low biodiversity value and biodiversity enhancements are proposed.	0/+
Landscape	-	o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o The impact could be mitigated by strategic landscaping, and if allocated, this will be stated as part of the development requirements for the site or designated as protected land.	0

		<ul style="list-style-type: none"> ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	
Material Assets	0/-	<ul style="list-style-type: none"> ○ The proposal is not expected to lead to a significant increase in pressure on local infrastructure. ○ In terms of conformity with existing assets, the siting is not compatible with the adjacent large area of business land allocated. 	0/-
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed. However, proposals must accord with the design policies in the LDP and include a mix of house types. 	+/0
Human Health	0/+	<ul style="list-style-type: none"> ○ This would not result in the loss of open space/core paths – new improvement proposed by adding connections to segregated paths. 	0/+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

FOVERAN

Preferred Sites

Site Ref: OP3 (FR065) South of Turin Way		Proposal: 36 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Small scale proposal, not likely to have substantial impacts. ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-/0	<ul style="list-style-type: none"> ○ The site is located in a SEPA waste water drainage hotspot and Blairrythan Septic Tank has no capacity, but a growth project has been initiated – until complete, the proposal would rely on private drainage, which would have a negative impact. ○ Invercannie / Mannofield/Turrieff WTW has capacity. Local mains reinforcement may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ Small drainage ditch to the northwest is unlikely to be impacted on and a buffer strip would be required to mitigate against any effects. If allocated, this mitigation would be stated as part of the development requirements of the opportunity site. A Flood Risk Assessment may also be required. 	-/0
Climatic Factors	0	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. ○ The site is not within a flood risk area. ○ Individual houses can incorporate technology to minimise their carbon footprint, but it is small scale proposal. 	0
Soil	-	<ul style="list-style-type: none"> ○ The site is on Class 3.1 prime agricultural land, the proposal would result in its loss and will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	-
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Limited opportunities for enhancement due to small site. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The site fits into the settlement pattern. ○ Given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure in the long-term. ○ School roll is low, and new housing would help sustain Foveran Primary School. The local shop has reportedly closed, but more housing could sustain it should it re-open. 	+

Population	+	o Limited information, plot sizes are fairly consistent, but a good mix of house types could be easily achieved, and proposals must accord with the design policies in the LDP and include a mix of house types.	+
Human Health	0	o It would not result in the loss of open space/core paths. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing.	0
Cultural Heritage	0	o Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP4 (FR066) Site 2, Land at Blairythan Terrace		Proposal: 20 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o The small site/development is unlikely to have any significant impact. o For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	-/0	o The site is located in a SEPA waste water drainage hotspot and Blairythan Septic Tank has no capacity, but a growth project has been initiated – until complete, the proposal would rely on private drainage, which would have a negative impact. o Invercannie / Mannofield/Turrieff WTW has capacity. Local mains reinforcement may be required. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term.	-/0
Climatic Factors	0	o There would be minimal CO ₂ emissions from general heating and travel. o The site is not within a flood risk area. o Individual houses can incorporate technology to minimise their carbon footprint, but it is small scale proposal.	0
Soil	-	o The site is on Class 3.1 prime agricultural land; the proposal would result in its loss. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss.	-
Biodiversity	0	o The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. o Limited opportunities for enhancement due to the small site.	0
Landscape	0	o The site would fit into the settlement pattern if the adjacent site is brought forward as housing (bid site FR065), otherwise it will be somewhat disconnected.	0

		<ul style="list-style-type: none"> Given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	
Material Assets	+	<ul style="list-style-type: none"> The proposal will not lead to any significant pressure on local infrastructure in the long-term. School roll is low, and new housing would help sustain Foveran Primary School. The local shop has reportedly closed, but more housing could sustain it should it re-open. 	+
Population	+	<ul style="list-style-type: none"> Limited information, plot sizes are fairly consistent, but a good mix of house types could be easily achieved, and proposals must accord with the design policies in the LDP and include a mix of house types. 	+
Human Health	0	<ul style="list-style-type: none"> It would not result in the loss of open space/core paths. The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP5 (FR082) Land Adjacent to Former A90, North of Westfield Road		Proposal: 14 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> reversibility or irreversibility risks duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> Small scale proposal, not likely to have substantial impacts. For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-/0	<ul style="list-style-type: none"> The site is located in a SEPA waste water drainage hotspot and Blairrythan Septic Tank has no capacity, but a growth project has been initiated – until complete, the proposal would rely on private drainage, which would have a negative impact. Invercarnie / Mannofield/Turrieff WTW has capacity. Local mains reinforcement may be required. Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	-/0
Climatic Factors	0	<ul style="list-style-type: none"> There would be minimal CO₂ emissions from general heating and travel. The site is not within a flood risk area. Individual houses can incorporate technology to minimise their carbon footprint, but it is a small-scale proposal. 	0
Soil	-	<ul style="list-style-type: none"> The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases 	-

		<ul style="list-style-type: none"> o The proposed development would result in some loss of prime agricultural land on part of the site. The site is on Class 3.1 prime agricultural land, the proposal would result in its loss. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	
Biodiversity	0	<ul style="list-style-type: none"> o The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. o Small-scale biodiversity enhancements are proposed. 	0
Landscape	0	<ul style="list-style-type: none"> o The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+	<ul style="list-style-type: none"> o The proposal will not lead to any significant pressure on local infrastructure in the long-term. o The school roll is low, and new housing would help sustain Foveran Primary School. The local shop has reportedly closed, but more housing could sustain it should it re-open. o The site will fit well with the settlement pattern once OP1 has been built out. o Access arrangements require clarification: consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	+
Population	+	<ul style="list-style-type: none"> o Potential mix of house types resulting in housing choice for all groups of the population - proposals must accord with the design policies in the LDP and include a mix of house types. 	+
Human Health	0	<ul style="list-style-type: none"> o It would not result in the loss of open space/core paths. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. o The site promotes active travel opportunities. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> o Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR067 Site 3, Land East of Tippet Industrial Estate, Tippet		Proposal: 38 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> reversibility or irreversibility risks duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> Small site/development, unlikely to have any significant impact. For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-/0	<ul style="list-style-type: none"> The site is located in a SEPA waste water drainage hotspot and Blairrythan Septic Tank has no capacity, but a growth project has been initiated – until complete, the proposal would rely on private drainage, which would have a negative impact. However, an indicative layout shows a treatment plant included on the site, nonetheless there would be a negative impact. This is a reversible short-term impact. Invercarnie / Mannofield/Turriff WTW has capacity. Local mains reinforcement may be required. Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. A small drainage ditch to the northwest is unlikely to be impacted on and a buffer strip would be required to mitigate against any effects. If allocated, this mitigation would be stated as part of the development requirements of the opportunity site. 	-/0
Climatic Factors	0	<ul style="list-style-type: none"> There would be minimal CO₂ emissions from general heating and travel. The site is not within a flood risk area. Individual houses can incorporate technology to minimise their carbon footprint, but it is a small-scale proposal. 	0
Soil	-	<ul style="list-style-type: none"> The site is on Class 3.1 prime agricultural land, the proposal would result in its loss. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	-
Biodiversity	0/-	<ul style="list-style-type: none"> Ythan Estuary, Sands of Forvie and Meikle Loch SPA is set to the northeast. The site has no connection to the qualifying site and could have an effect indirectly through drainage, visitor pressure and impact of geese grazing grounds. Recreational access to the site is actively managed by the RSPB. SNH advise that there should be no additional pressures from visitors where facilities and visitor management plans are in place. No significant issues from increased public access is foreseen. No significant loss of land for geese foraging or roosting is anticipated. The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. Limited opportunities for enhancement due to small site and lack of surrounding habitat to extend/enhance. 	0
Landscape	0	<ul style="list-style-type: none"> It would alter the entrance/exit from Foveran on Blairrythan Terrace, currently an open agricultural aspect, but development is consented across the road so it would not be alien or out of character. 	0

		<ul style="list-style-type: none"> o And, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	
Material Assets	+	<ul style="list-style-type: none"> o The proposal will not lead to any significant pressure on local infrastructure in the long-term. o School roll is low, and new housing would help sustain Foveran Primary School. The local shop has reportedly closed, but more housing could sustain it should it re-open. 	+
Population	+	<ul style="list-style-type: none"> o Limited information, plot sizes are fairly uniform, but a good mix of house types could be easily achieved and proposals must accord with the design policies in the LDP and include a mix of house types. 	+
Human Health	0	<ul style="list-style-type: none"> o It would not result in the loss of open space/core paths. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> o Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR109 Land to South West of Foveran		Proposal: 580 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> o In terms of air quality, the development is likely to have long-term negative effects on air quality. 	-
Water	--	<ul style="list-style-type: none"> o Part of the site is located in a SEPA waste water drainage hotspot and Blairythan Septic Tank has no capacity. If there are capacity constraints these could be mitigated through growth projects and developer obligations. A potential growth project for Balmedie WWTW is currently under investigation, which will include Foveran. This is a reversible medium/long-term impact. o Invercannie / Mannofield/Turriff WTW has capacity. Local mains reinforcement may be required. o Site includes ditches and small areas of surface water flooding. o With the information on the quality of water around the site, the effects could be significant in the longer-term. 	-/?
Climatic Factors	--	<ul style="list-style-type: none"> o The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. o Part of the site contains a watercourse and a small area is at risk from flooding, which could have a long-term effect on climate and the water environment. A Flood Risk Assessment may be required to mitigate potential effects. 	-
Soil	--	<ul style="list-style-type: none"> o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	--

		<ul style="list-style-type: none"> o The proposed development would result in the significant loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	
Biodiversity	-	<ul style="list-style-type: none"> o The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. 	-
Landscape	-	<ul style="list-style-type: none"> o The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o Significant scale development that would further alter the character of the area and is beyond what could be easily consolidated. 	-
Material Assets	-	<ul style="list-style-type: none"> o There are a number of infrastructure constraints associated with the site, namely drainage, which will have a temporary affect. A development of this scale would be required to make significant contributions through developer obligations that would mitigate for the impact of the development in terms of education, community facilities and infrastructure. 	0
Population	-	<ul style="list-style-type: none"> o A limited mix of house type is proposed resulting in a limited housing choice for all groups of the population. However, the LDP policies requires a mix of house types and affordable homes. 	+
Human Health	+	<ul style="list-style-type: none"> o It would not result in the loss of open space/core paths. o It would provide opportunities for open space. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Cultural Heritage	-	<ul style="list-style-type: none"> o Rubbing stones are on the site. The proposal would need to avoid this site and protect its setting if allocated. However, given the scale of the proposal, the stones are likely to be negatively affected. 	-
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR142 Land West of A90 (Phase 1), North of Blairythan, Foveran		Proposal: 150 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> o For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	--	<ul style="list-style-type: none"> o Half of the site is located in a SEPA waste water drainage hotspot and Blairythan Septic Tank has no capacity. However, a growth project has been initiated – the proposal would rely on private drainage until WWTW capacity was confirmed, which would have a negative impact. This impact is likely to be medium/long-term. 	-/?

		<ul style="list-style-type: none"> o Invercarnie / Mannofield/Turriff WTW has capacity. Local mains reinforcement may be required. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	
Climatic Factors	-	<ul style="list-style-type: none"> o The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, the site is near/next to a busy bus route, which could reduce commuter traffic. 	-/0
Soil	--	<ul style="list-style-type: none"> o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. o The site is on Class 3.1 prime agricultural land, the proposal would result in its loss. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	0	<ul style="list-style-type: none"> o Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are set to the north. This site is at a very close proximity to the qualifying sites and likely to have an impact on the qualifying species. The development could have an effect indirectly through recreation pressures, land take for development, and impact on geese grazing areas. Recreational access to the site is actively managed by the RSPB. o The development of a greenfield site is likely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. o However, the site has potential to provide biodiversity enhancements to offset the impact of development. 	0/+
Landscape	-	<ul style="list-style-type: none"> o The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o The development would create an unnatural extension to the north of the settlement which would erode the character or the original form of the settlement. If the site is allocated, a visual impact assessment will be required and stated in the development requirements for the site. o The impact is likely to have long-term effects. 	-/0
Material Assets	-	<ul style="list-style-type: none"> o There are a number of infrastructure constraints associated with the site, namely drainage which will risk a medium/long-term effect. o Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. o The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. A new school is proposed as part of the development. 	-/+
Population	+	<ul style="list-style-type: none"> o The mix of house types proposed will result in a better housing choice for all groups of the population. 	+
Human Health	+	<ul style="list-style-type: none"> o It would not result in the loss of open space/core paths. o The site has potential to provide open space proportionate with the scale of the allocation. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+

Cultural Heritage	0	<ul style="list-style-type: none"> ○ A SMR is within the site (a farmstead still in use). ○ Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets. ○ However, it is expected that the development design layout could accommodate the building and use the opportunity to enhance sense of place. As such, the development is unlikely to have any significant effects on the historic environment in the long-term. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR143 Land West of A90 (Phase 2), North of Blairythan, Foveran		Proposal: Housing (mixed) estimated 410 home	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> ○ Due to the scale of the development it is likely to have a medium/long-term negative effect on air quality. ○ The site is near a bus route which could help reduce commuter traffic. 	-/0
Water	--	<ul style="list-style-type: none"> ○ Half of the site is located in a SEPA waste water drainage hotspot and Blairythan Septic Tank has no capacity. However, a growth project has been initiated – the proposal would rely on private drainage until WWTW capacity was confirmed, which would have a negative impact. This impact is likely to be medium/long-term. ○ Invercannie / Mannofield/Turriff WTW has capacity. Local mains reinforcement may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The site is adjacent to a watercourse and a buffer strip would be required to mitigate against any effects. If allocated, this mitigation would be stated as part of the development requirements of the opportunity site. 	-/?
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, the site is near/next to a busy bus route, which could help reduce commuter traffic. 	-/0
Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The site is partially on Class 3.1 prime agricultural land; the proposal would result in its loss. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	0	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are set to the north. This site is at a very close proximity to the qualifying sites and likely to have an impact on the qualifying species. The development would have an effect 	0

		<p>indirectly through recreation pressures, land take for development, and impact on geese grazing areas. Recreational access to the site is actively managed by the RSPB.</p> <ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ However, the site has potential to provide biodiversity enhancements to offset the impact of development. 	
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ The development would create an unnatural extension to the north of the settlement which would erode the character or the original form of the settlement. If the site is allocated, a visual impact assessment will be required and stated in the development requirements for the site. ○ The impact is likely to have long-term effects. 	-/0
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely drainage which will risk a medium/long-term effect. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. A new school is proposed as part of the adjacent development (Bid Site FR142), which would comprise phase 1 of this development. 	-/+
Population	+	<ul style="list-style-type: none"> ○ The mix of house types proposed will result in a better housing choice for all groups of the population. 	+
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The site has potential to provide open space proportionate with the scale of the allocation. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

FYVIE

Preferred Sites

Site Ref: OP1 (FR125) Land Northeast of Peterwell Road		Proposal: 30 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part individual developments of this scale are likely to have short to medium-term temporary insignificant effects on air quality, largely limited to the construction period. 	0
Water	-	<ul style="list-style-type: none"> ○ Fyvie WWTW has limited capacity – a growth project will be required. This is a reversible short-term impact. ○ Due to the scale of the development proposed and the latest information, this is unlikely to be an issue and private drainage would be acceptable. ○ The effect on the water environment also depends on; potential deterioration of a waterbody and the extent to which the allocation connects to the public sewage infrastructure. 	0/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ There will be an impact on Fyvie Gardens and Designed Landscape. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The development could support Fyvie Primary School and Turriff Academy which are both forecast to be under capacity by 2022. 	+
Population	+/0	<ul style="list-style-type: none"> ○ The development offers a housing choice in areas which are largely limited in terms of availability of housing. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Open space provision and enhancements proposed increases in accessibility to green space. 	0

		<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Opportunity to walk to services including the local shop and primary school. 	
Cultural Heritage	-	<ul style="list-style-type: none"> ○ The site is located within the Battle of Fyvie Inventory historic battlefield boundary (BLT 22) of 1644, which has surviving field fortifications. The housing allocation would be within the SW part of the Inventory boundary, which is not presently considered to have been a key area of battlefield activity. ○ For site OP1, any potential impacts on key landscape characteristics and the cumulative impacts should be assessed, with mitigation and enhancement considered in line with HES Battlefield guidance ○ The development would have permanent negative effects on the Battle of Fyvie battleground. The development may weaken the sense of place, and the identity of existing settlements. ○ It could affect the setting of Fyvie Castle inventory garden and designed landscape. The development may weaken the sense of place, and the identity of the existing settlement. ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. 	-
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR126 Land West of Fyvie Primary School, Fyvie		Proposal: 30 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, individual developments of this scale are likely to have short to medium-term temporary insignificant effects on air quality, largely limited to the construction period. 	0
Water	-	<ul style="list-style-type: none"> ○ Fyvie WWTW has limited capacity – a growth project will be required. This is a reversible short-term impact. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0

Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ Impact on Fyvie Gardens and Designed Landscape. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ Development could support Fyvie Primary School and Turriff Academy which are both forecast to be under capacity by 2022. 	+
Population	+/0	<ul style="list-style-type: none"> ○ Development offers housing choice in areas which are largely limited in terms of availability of housing, although proposals must accord with the design policies in the LDP and include a mix of house types. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Open space provision and enhancements proposed increases in accessibility to green space. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Opportunity to walk to services including the local shop and primary school. 	0
Cultural Heritage	--	<ul style="list-style-type: none"> ○ The development would have permanent negative effects on the Battle of Fyvie battleground. The development may weaken the sense of place, and the identity of the existing settlement. ○ Potentially adverse impacts on the setting of Fyvie Castle inventory garden and designed landscape. The development may weaken the sense of place, and the identity of the existing settlement. ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. 	--/-
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

GARMOND

Preferred Sites

None.

Alternative Sites

Site Ref: FR087 Site OP1 Garmond North		Proposal: 10 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ Limited capacity at both septic tanks. A growth project would be required. However, a private sewer is proposed, otherwise it will have to connect to a public sewer. If the site is allocated, this will be specified in the Settlement Statement. This is a reversible short-term impact. ○ Turriff WTW has capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. ○ However, the site is near a bus route, which could reduce commuter traffic. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in the partial loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	-
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. 	0

Landscape	0	<ul style="list-style-type: none"> Over a long-term, what gets developed becomes part of the landscape, the effects are only likely to have medium-term effects and will ultimately fall in line with the current pattern of development. 	0
Material Assets	0	<ul style="list-style-type: none"> There are a number of infrastructure constraints associated with the site, namely waste water capacity, which will have a long-term or temporary affect. The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include social infrastructure (schools, housing, healthcare facilities); previously developed land; minerals and aggregates (quarries); transport infrastructure (road, rail, paths, pipelines and bridges); water-delivery infrastructure; sewerage infrastructure; energy infrastructure (power stations, pylons, power cables, wind turbines and pipelines); natural environment (woodland, arable land, forests and agricultural land); tourism and recreation (caravan parks and camping sites); telecommunication infrastructure (telephone, masts, satellite television and broadband); waste management infrastructure (waste collection, transfer stations and composting facilities). 	0
Population	-	<ul style="list-style-type: none"> No mix of house types is proposed resulting in a limited housing choice for all groups of the population. However, this is consistent with the existing pattern of development observed in the settlement. However, proposals must accord with the design policies in the LDP and include a mix of house types and must match with the existing density of the settlement, which would be specified in the Settlement Statement (e.g. in the vision statement). 	+/0
Human Health	0	<ul style="list-style-type: none"> It would not result in the loss of open space/core paths. The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	-	<ul style="list-style-type: none"> New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements and Garmond SMR in the long-term. 	-
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

KIRKTON OF AUCHTERLESS

Preferred Sites

Site Ref: OP1 (FR114) Small Site at Kirkton of Auchterless		Proposal: 5 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	+/0	○ The WWTW and WTW has capacity and is available for this development. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term.	+/0
Climatic Factors	0	○ The development is unlikely to lead to effects on climate.	0
Soil	-	○ The site contains prime agricultural land which would be lost to the development and this would be irreversible. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term.	-
Biodiversity	0	○ No significant loss or benefit to wildlife.	0
Landscape	0	○ The natural ridgeline would be breached but given the nature of the proposal impact it would not be so significant to warrant a negative effect on the landscape.	0
Material Assets	0	○ There would be minimal infrastructure requirements and no improvement would be required.	0
Population	-	○ There would be no real effect on population. ○ Like to be limited house types due to the number of homes proposed.	-
Human Health	0	○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing.	0
Cultural Heritage	0	○ Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: R2 (FR144) Auchterless Turriff, Auchterless Car Park Project		Proposal: Auchterless Car Park Project	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. 	0
Water	0	<ul style="list-style-type: none"> ○ The site is not within an identified flood risk area. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ A proposal on this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. ○ Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The proposal would have a neutral effect as it is of a scale or in a location which is unlikely to negatively affect a nature conservation site or wider biodiversity. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The proposal is of a scale or in a location which is unlikely to have any effect on landscape quality. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will not lead to a significant increase in pressure on local infrastructure. 	0
Population	0	<ul style="list-style-type: none"> ○ Significance of effects on the population is likely to be minimal. 	0
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. ○ The population is not at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR115 Large Site at Kirkton of Auchterless, Turriff		Proposal: 12 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ The WWTW/WTW capacity is limited for this area however development could not proceed as proposed without an upgrade being available. Therefore, as the site is unlikely to be allocated for a large number of units no effects are predicted. An upgrade to WWTW could have a detrimental effect on water. This is a reversible short-term impact. 	-/0
Climatic Factors	0	<ul style="list-style-type: none"> ○ Due to its scale the proposal is unlikely to adversely affect this topic. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development would involve the loss of 2ha of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	-
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity. There are enhancement options on site but no details provided by the application. Overall, this is neutral. 	0
Landscape	-	<ul style="list-style-type: none"> ○ This would not be appropriate for a settlement at this scale as the site has a landscape impact due to it being formed in the space between the B992 road and higher ground towards the west of the site. ○ 	-
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure. 	0
Population	+/0	<ul style="list-style-type: none"> ○ The mix of house types promoted would be of some minor benefit as there is limited variation in the existing stock. Contributions to improved play space may have a material improvement in the settlement. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on human health. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR137 Site Opposite Smallburn Cottage, Auchterless, Turriff		Proposal: 10 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ In terms of air quality, the development is unlikely to have a long-term negative effect on air quality. ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ The WWTW capacity is insufficient for this area and an upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is next to the River Ythan where the quality of water is only moderate. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. ○ With the information on the quality of water around the site, the effects could be significant in the longer term. 	0/-
Climatic Factors	0	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	-
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. Some disturbance to the woodland is likely, especially during the construction phase. ○ Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	0/+
Landscape	-	<ul style="list-style-type: none"> ○ In light of the scale and location of the proposal, it would have a negative impact on the landscape character and the effect is likely to be long-term. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, line, pattern, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0

Material Assets	-	<ul style="list-style-type: none"> ○ The St Donans Cottages Septic Tank has capacity for less than 10 homes. ○ Unknown if private WWTW is possible given the proximity of the River Ythan and topography for the site. 	-
Population	-	○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. However, the LDP policies require proposals to have a mix of house types.	+/0
Human Health	0	○ It would not result in the loss of open space/core paths.	0
Cultural Heritage	0	○ Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

METHLICK

Preferred Sites

Site Ref: OP1 (FR034) Cottonhillock		Proposal: 20 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have an impact on air quality. Any impact on air quality would likely be limited to the construction phase. 	0
Water	-	<ul style="list-style-type: none"> ○ Methlick WWTW has insufficient capacity available for this area and an upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ Turriff WTW has capacity, but local mains reinforcement may be required. 	-/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development site is not situated within a known flood extent, or adjacent to watercourses and therefore is not likely to suffer fluvial flooding. ○ The site is generally well connected to the rest of the settlement (within 400m of various amenities including bus stops) and therefore it would encourage sustainable modes of transport. ○ Although, the site is more than 1km from the nearest employment sites, which may have a long-term negative impact due to emissions from private car usage, a proposal on this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development would present opportunities to enhance biodiversity through the planting of native tree species and formation of ponds/soakaways, which would provide a long-term benefit. ○ Opportunity to create and enhance habitats within the scheme through structural planting, open space and landscaping. If the site is allocated, these mitigations would be stated as part of the development requirements of the opportunity site. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0

Material Assets	-	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ There are a number of infrastructure constraints associated with the site, namely road access, WWTW and education provision at Methlick Primary School and Meldrum Academy, which will have a temporary effect. ○ However, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ Development would contribute towards the community's housing goals and it has the potential to contribute to native tree planning and open space provision. 	+
Population	+/0	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in a housing choice for all groups of the population. 	+/0
Human Health	+	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Good access to community facilities and general amenities (within 400m of the site), which would encourage sustainable forms of transport, leading to a positive impact on human health. 	+
Cultural Heritage	--	<ul style="list-style-type: none"> ○ The development will have a long-term and permanent effect on the setting of gardens and designed landscapes. ○ The impact is likely to be limited through the siting of the development site on the edge of the Designed Landscape designation, and adjacent to the existing settlement – it would be read as a continuation of the urban form. The internal focus of the designed landscape (around Haddo House) would lessen the impact. ○ The impact could be partially mitigated through structural planting. 	-
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP2 (FR014) West of Black Craigs		Proposal: 8 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ In terms of air quality, the development is likely to have a long-term negative effect on air quality, particularly in towns where air quality is approaching the EU objective. ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	--	<ul style="list-style-type: none"> ○ Methlick WWTW has insufficient capacity available for this area and an upgrade to an adoptable standard would be required. However, this has proven a constraint to OP2 development. This is a reversible short-term impact. ○ Turriff WTW has capacity, but local mains reinforcement may be required. 	-

		<ul style="list-style-type: none"> ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is high. 	
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a short-term negative impact due to the potential for increased travel (construction works) and increased emissions. ○ A proposal of this size is unlikely to increase CO₂ emissions in the long run, due to the scale of the site and location close to local services and facilities. ○ Part of the site is found to be at risk of surface water flooding, but this could form part of the open space provision. The potential for landscaped SuDS area providing feature open space, landscaped with native planting is identified. A FRA may also be required. If allocated these mitigations would be stated as part of the development requirements of the site. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases 	0
Biodiversity	-/0	<ul style="list-style-type: none"> ○ The development would not have positive or negative effects on conserving, protecting and enhancing the diversity of species and habitats, and the natural heritage of the area. ○ The development is unlikely to adversely affect populations of protected species, including European Protected Species, their habitats and resting places or roosts. ○ The site is adjacent to ancient woodland and a buffer strip may be required to mitigate effects. ○ The development can maintain or enhance existing green networks and improve connectivity/function or create new links where needed. Buffer planting adjacent to ancient woodland will enhance the existing green network. ○ The development will result in the loss of existing trees, woodland and hedges but suitable compensatory planting can mitigate this impact. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will not be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+/-	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ The site is expected to enhance an extensive area of parkland to the north by linking up new footpaths and tree-lined streets throughout the development. ○ There are associated infrastructure constraints, namely a school capacity issue at Methlick Primary School and Meldrum Academy, and a WWTW issue, however consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	+/-
Population	0	<ul style="list-style-type: none"> ○ House types are not known except for 3-4 bedroom houses. However, proposals must accord with the design policies in the LDP and include a mix of house types. However, due to the scale of the site this is likely to be limited. 	+/0

Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ There will be no impact on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP3 (FR040) Land at Sunnybrae Croft, Methlick		Proposal: 12 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. 	0
Water	-	<ul style="list-style-type: none"> ○ Methlick WWTW has insufficient capacity available for this area and an upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ Turriff WTW has capacity, but local mains reinforcement may be required ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies (loch) is good. 	-/?
Climatic Factors	-	<ul style="list-style-type: none"> ○ A proposal on this scale is unlikely to have any effect on CO₂ emissions. ○ Part of the site found to be at risk from surface water flooding will not be included within an allocation and could be mitigated through SuDS and part of the open space provision. A Flood Risk Assessment (FRA) may be required. If allocated, these mitigations would be stated as part of the development requirements for the site. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ Unlikely to have a long-term adverse impact on biodiversity. ○ The proposal would have a neutral effect as it is of a scale or in a location that is unlikely to negatively affect a nature conservation site or wider biodiversity. ○ New tree planting is proposed. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. 	0

		<ul style="list-style-type: none"> Development to the east will have a localised negative impact on the setting of the town. However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. The site is a logical extension to the existing allocation and impact could be mitigated by strategic landscaping, and if allocated, this will be stated as part of the development requirements for the site. 	
Material Assets	-	<ul style="list-style-type: none"> The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. There are associated infrastructure constraints, namely a school capacity issue at Methlick Primary School and Meldrum Academy, and a WWTW issue. However, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. Development provides new homes of an appropriate mix that would contribute to a sustainable community. 	-/+
Population	+/0	<ul style="list-style-type: none"> A positive impact is anticipated as a mix of house types is proposed resulting in a housing choice for all groups of the population. 	+/0
Human Health	0	<ul style="list-style-type: none"> Development of the site is unlikely to have any significant effects on existing pathways or access to open space. The population is not at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> The development will be unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: PLDP 2020 OP4 (FR046 & FR047) Site Adjacent to Belmuir Lodge Methlick		Proposal: 63 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> reversibility or irreversibility risks duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> For the most part, air quality is likely to have short to medium-term temporary insignificant effects. The scale of development would not have a major negative impact on air quality. 	0
Water	--	<ul style="list-style-type: none"> Methlick WWTW has insufficient capacity available for this area and an upgrade to an adoptable standard would be required. This is a reversible short-term impact. Turriff WTW has capacity, but local mains reinforcement may be required Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. The proposed development on a greenfield site is near a watercourse where the quality of water bodies (loch) is good. 	-

		<ul style="list-style-type: none"> o The site is adjacent to a watercourse and a buffer strip would be required to mitigate against any effects. A Flood Risk Assessment may also be required. If allocated, these mitigations would be stated as part of the development requirements of the opportunity site. 	
Climatic Factors	-	<ul style="list-style-type: none"> o The development could have a short-term negative impact due to the potential for increased travel (construction works) and increased emissions. o A proposal of this size is unlikely to increase CO₂ emissions in the long run due to the scale of the site and location close to local services and facilities. o Part of the site is found to be at risk of surface water flooding, but this could form part of the open space provision. The potential for landscaped SuDS area providing a feature open space, landscaped with native planting is identified. A FRA may also be required. If allocated these mitigations would be stated as part of the development requirements of the site. 	-
Soil	0	<ul style="list-style-type: none"> o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> o The development of a greenfield site is likely to have an adverse impact on biodiversity through the loss of habitats or habitat fragmentation or disturbance to species that use the site as a habitat. o The development shall not enhance existing green networks; however, it will improve connectivity or create new links where needed. o The development shall enhance biodiversity via providing wildflower, drystone walls and open space. 	0
Landscape	-	<ul style="list-style-type: none"> o The nature of land use in the area will be changed and displaced due to the topography at the north of the site. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o The site would be relatively visually prominent in the landscape. It is proposed that access would be made by cutting through a hill which will alter the landscape character. It is unlikely that strategic planting will sufficiently mitigate this effect. 	-
Material Assets	-	<ul style="list-style-type: none"> o There are a number of infrastructure constraints associated with the site, namely road access, WWTW and education provision at Methlick Primary School and Meldrum Academy, which will have a temporary effect. o However, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	-/0
Population	-	<ul style="list-style-type: none"> o A mix of house types is not proposed. However, proposals must accord with the design policies in the LDP and include a mix of house types. 	+/0
Human Health	0	<ul style="list-style-type: none"> o It would not result in the loss of open space/core paths. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. o The population is not at risk from hazardous development. 	0
Cultural Heritage	-	<ul style="list-style-type: none"> o The development will have a long-term and permanent negative effect on the setting of listed buildings and gardens. The development risks weakening the sense of place and identity of the existing settlement. o New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. o It would not be possible to mitigate against erosion of sense of place/place identity through new developments. 	-

Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect
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NEWBURGH

Preferred Sites

Site Ref: OP3 (FR029 and part of FR028) Land North of School Road, Mill of Newburgh		Proposal: 160 homes	
SEA Topics	Effect	Comments	Effect – post mitigation
		Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. Newburgh is not at risk from poor air quality and there is good public transport provision (buses). 	0
Water	- -/?	<ul style="list-style-type: none"> ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Newburgh. Local sewer reinforcement may be required. DIA may be required. This is a reversible short-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required and WIA required. No issues regarding reservoir capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ With the information on the quality of water around the site, the effects could be significant in the longer term. ○ The effect on the water environment also depends on; potential deterioration of a waterbody, and the extent to which the allocation connects to the public sewage infrastructure. 	-/?
Climatic Factors	-/0	<ul style="list-style-type: none"> ○ There are several services in the village, but development could have a long-term negative impact due to the potential for increased travel requirements to major service centres (e.g. Ellon or Aberdeen, to go to shops and areas of employment) and increased emissions. The village already suffers congestion; however this could be mitigated if a bypass is built and this development could contribute to that. ○ A FRA will and SUDS be required to mitigate potential flooding downstream. ○ However, the effects will be less as Newburgh is on a main bus route to Peterhead, Aberdeen and Ellon. 	0
Soil	- -	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	--

		<ul style="list-style-type: none"> ○ The proposed development would result in the significant loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	
Biodiversity	0/-	<ul style="list-style-type: none"> ○ Sands of Forvie SAC; Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Buchan Ness to Collieston Coast SPA are set to the northeast. The site is at a close proximity to the qualifying sites and likely to have an impact on the qualifying species from foul water drainage and recreation impacts. The site may represent geese feeding ground. ○ Access to the site is managed by the RSPB. SNH advise that there should be no additional pressures from visitors where facilities and visitor management plans are in place. No significant loss of land for geese foraging or roosting is anticipated. Appropriate drainage provisions will need to demonstrate that no impact will result on the SPA and SAC sites. ○ The development is adjacent to the international protected Ythan Estuary but is not likely to affect international and national conservation objectives and natural features. The main types of effects include disturbance to geese, recreational impacts on tern colonies, and erosion of dunes. All these effects would be long-term. ○ The development will enhance biodiversity through the creation of public open space, which will have a long-term positive effect. It does not link to other habitats as the land around it is agricultural or residential. 	0/+
Landscape	0	<ul style="list-style-type: none"> ○ The proposal can be accommodated within the large-scale landscape and will not affect any of its key features. ○ Given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-/ --	<ul style="list-style-type: none"> ○ There is an education infrastructure constraint at Newmachar Mathers Primary School. Its school roll is rising, and this proposal will have a long-term effect unless a solution to increase the school's capacity can be found. ○ There is uncertainty if there is a sewage issue, as data from Scottish Water's website on Newburgh is unavailable. If resolved, these effects would be temporary. ○ No other services are proposed within the site. 	-/?
Population	+	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in a housing choice for all groups of the population. 	+
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development will have no impact on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR027 Land Southwest of Red Inch Circle, Newburgh		Proposal: 80 homes	
SEA Topics	Effect	Comments	Effect – post mitigation
		<p>Effects should be assessed in terms of</p> <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. 	0
Water	--	<ul style="list-style-type: none"> ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The effect on the water environment also depends on; potential deterioration of a waterbody, the extent to which the allocation is at risk from flooding. Part of the site is at risk of flooding so a Flood Risk Assessment would be required to assess if any mitigation would be possible. ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Newburgh. Local sewer reinforcement may be required. DIA may be required. This is a reversible short-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required and WIA required. No issues regarding reservoir capacity. 	-/?
Climatic Factors	--	<ul style="list-style-type: none"> ○ The development is in an area identified at flood risk and is likely to have a long-term effect on climate and the water environment. A Flood Risk Assessment may be able to identify mitigation measures. 	-
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ Prime agricultural land is found within the proposed site. It will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	-
Biodiversity	--	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. Loss of a greenfield site can be mitigated through provision of good quality open space that can enhance biodiversity. ○ Sands of Forvie SAC; Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Buchan Ness to Collieston Coast SPA are set to the northeast. The site is at a close proximity to the qualifying sites and likely to have an impact on the qualifying species from foul water drainage and recreation impacts. The site may represent geese feeding ground. The proposal would need to connect to a public sewer to mitigate effects on the designations. 	0
Landscape	--	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. 	0

		<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ The negative impact on landscape character could be partially mitigated with shelterbelts and screening. 	
Material Assets	+	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include community facilities. Where a need is identified as a result of the development, developer obligations would be sought to mitigate for the effects of the development on the wider community. 	+
Population	+	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in a housing choice for all groups of the population. 	+
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ No impact on cultural heritage. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR050 Land to the North of Oceanlab, Newburgh		Proposal: 60 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. Newburgh is not at risk from poor air quality and there is good public transport provision (buses). 	0
Water	- -/?	<ul style="list-style-type: none"> ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Newburgh. Local sewer reinforcement may be required. DIA may be required. This is a reversible short-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required and WIA required. No issues regarding reservoir capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ With the information on the quality of water around the site, in particular the Ythan Estuary, the effects could be significant in the longer term, and adverse impacts on the watercourse to the west of the site could potentially be mitigated through a buffer strip. 	- -/?
Climatic Factors	-/0	<ul style="list-style-type: none"> ○ There are several services in the village, but development could have a long-term negative impact due to the potential for increased travel requirements to major service centres (e.g. Ellon or Aberdeen, to go to shops and areas of employment) and 	0

		<p>increased emissions. The village already suffers congestion; however this could be mitigated if a bypass is built and this development could contribute to that.</p> <ul style="list-style-type: none"> o However, the effects will be less as Newburgh is on a main bus route to Peterhead, Aberdeen and Ellon. 	
Soil	--	<ul style="list-style-type: none"> o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. o The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	--
Biodiversity	--	<ul style="list-style-type: none"> o Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are set to the east. This site is at a very close proximity to the qualifying sites and likely to have an impact on the qualifying species. There may also be issues through drainage, visitor pressure and impact of geese grazing grounds. The proposal would need to connect to a public sewer to mitigate effects on the designations. o The development will enhance biodiversity through the creation of public open space, which will have a long-term positive effect. However, it does not link to other habitats as the land around it is agricultural or residential. 	--/0
Landscape	--	<ul style="list-style-type: none"> o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o Given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	-
Material Assets	--	<ul style="list-style-type: none"> o There is an education infrastructure constraint at Newmachar Mathers Primary School. Its school roll is rising, and this proposal will have a long-term effect unless a solution to increase the school's capacity can be found. This could be mitigated through developer obligations contributing to an upgrade to the school. o There is uncertainty if there is a sewage issue, as data from Scottish Water's website on Newburgh is unavailable. If resolved, these effects would be temporary. o No other services are proposed within the site. 	-
Population	+	<ul style="list-style-type: none"> o A mix of house types is proposed resulting in a housing choice for all groups of the population. 	+
Human Health	0	<ul style="list-style-type: none"> o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	-	<ul style="list-style-type: none"> o The development will have long-term and permanent negative effect on the site/setting of a category B listed Ythan Lodge. The development may weaken the sense of place, by obstructing views across the Ythan Estuary and towards Newburgh. o New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. 	-
Key	<p>+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect</p>		

Site Ref: FR052 Site Adjacent to Waterside Cottages, Newburgh		Proposal: 5 homes	
SEA Topics	Effect	Comments	Effect – post mitigation
		<p>Effects should be assessed in terms of</p> <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. Newburgh is not at risk from poor air quality and there is good public transport provision (buses). 	0
Water	-/?	<ul style="list-style-type: none"> ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Newburgh. Local sewer reinforcement may be required. DIA may be required. This is a reversible short-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required and WIA required. No issues regarding reservoir capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The effect on the water environment also depends on; potential deterioration of a waterbody (in this case the Ythan Estuary), and the extent to which the allocation connects to the public sewage infrastructure. 	-/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ There are several services in Newburgh, and it is unlikely to have any effect on climate and the water environment. The A975 is on a main bus route to Peterhead, Aberdeen and Ellon. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	-/?	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are set to the east. This site is at a very close proximity to the qualifying sites and likely to have an impact on the qualifying species. There may also be issues through drainage, visitor pressure and impact of geese grazing grounds ○ The main types of effects include disturbance to geese, and recreational impacts on tern colonies. Despite the small scale of the proposal, its proximity to the estuary and sand dunes means it could have long-term effects. Potential mitigation measures are unclear for a such a unique habitat, however discussions with the environment team could make these clearer. 	-/?
Landscape	--	<ul style="list-style-type: none"> ○ The site overlooks the Ythan Estuary, and while views from it are obscured by trees, the landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, and naturalness will change. ○ Given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	-
Material Assets	--	<ul style="list-style-type: none"> ○ There is an education infrastructure constraint at Newmachar Mathers Primary School. Its school roll is rising, and this proposal will have a long-term effect unless a solution to increase the school's capacity can be found. This could be mitigated through developer obligations contributing to an upgrade to the school. ○ There is uncertainty if there is a sewage issue, as data from Scottish Water's website on Newburgh is unavailable. If resolved, these effects would be temporary. 	-/?

		o No other services are proposed within the site.	
Population	-	o No mix of house types is proposed resulting in limited housing choice for all groups of the population. o This would be mitigated as the Local Development Plan will only permit sustainable mixed developments with a minimum of 25% affordable housing.	+/0
Human Health	0	o No impacts of note.	0
Cultural Heritage	0	o No sites will be affected.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: Infill (FR093) Site at Former Smithy, Main Street, Newburgh		Proposal: 1 home (Infill)	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o For the most part, air quality is likely to have short to medium-term temporary insignificant effects. Newburgh is not at risk from poor air quality and there is good public transport provision (buses).	0
Water	0/-	o The WWTW and WTW capacity is unknown for this area. The 2017 LDP states “There is insufficient capacity at Balmedie Waste Water Treatment Works to treat all sites allocated at Balmedie, Belhelvie, Newburgh and Potterton. Scottish Water will initiate a growth project, should demand from committed development exceed available capacity.” Neighbouring planning application installed a septic tank. This is a reversible short-term impact. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o The effect on the water environment also depends on; potential deterioration of a waterbody (in this case the Ythan Estuary), and the extent to which the allocation connects to the public sewage infrastructure. On its own, the proposal should not have any significant impact on water quality.	0
Climatic Factors	0	o The eastern edge of the site is in an area identified as at flood risk, but is unlikely to have any effect on climate and the water environment given that most of the site is unaffected. Being next to an estuary, there will be no downstream impacts. o The proposal is located immediately adjacent to Newburgh, which is on a bus route and has several services.	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0

Biodiversity	0	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are set to the east, but the proposal is not likely to affect the international and national conservation objectives and natural features. The main types of effects include disturbance to geese, recreational impacts on tern colonies, and erosion of dunes. Given the small scale of the proposal, and its proximity to the estuary and sand dunes means that it could have long-term effects, but this is unlikely. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The scale and location of the proposal is unlikely to have any effect on landscape quality. ○ Given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ There is an education infrastructure constraint at Newmachar Mathers Primary School. Its school roll is rising, but this proposal is unlikely to have any effect on material assets. ○ There is uncertainty if there is a sewage issue, as data from Scottish Water's website on Newburgh is unavailable. An adjacent planning application that was approved for a single house proposed a septic tank. ○ No other services are proposed within the site. 	0
Population	-	<ul style="list-style-type: none"> ○ Single house proposed. 	-
Human Health	0	<ul style="list-style-type: none"> ○ No impacts of note. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ No sites will be affected. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

OLDMELDRUM

Preferred Sites

Site Ref: OP1 (FR119) Land north of Distillery Road		Proposal: 49 (reduced from 88 homes in PLDP 2020) (increased from 50 homes in LDP 2017)	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> ○ In terms of air quality, the development is likely to have a long-term negative effect on air quality, particularly in towns where air quality is approaching the EU objective. The development would result in increased traffic flow through Oldmeldrum. ○ The site is next to a busy bus route, which may help reduce commuter traffic. 	-/?
Water	--	<ul style="list-style-type: none"> ○ Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. Given the site is already allocated in the LDP it can be expected that there will be capacity for this site. This is a reversible short-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. ○ There is a possibility for some localised impacts on the watercourse; however, this is opportunity site provides SuDS to deal with existing surface water flood risk and to increase riparian areas to allow for improvements in water quality. This should balance any negative effects resulting from the development. ○ Also, buffer strips would be required along watercourse on either side of the site to mitigate against any effects. If allocated, these mitigations would be stated in the development requirements of the opportunity site. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development is not in a flood risk area. ○ Although development could have some negative impact due to the potential for increased travel requirements (the need to travel to some services and other areas of employment) and increased emissions, the site is well connected within Oldmeldrum. The site is also near a bus route, which may help reduce commuter traffic. 	0/?
Soil	--	<ul style="list-style-type: none"> ○ The proposed development would result in the significant loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. However, the number of homes has been reduced from 88 to 49 homes by the Reporter if the Proposed LDP Examination 2021. ○ Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	0/+	<ul style="list-style-type: none"> ○ A buffer strip next to the watercourse would provide a biodiversity enhancement opportunity. 	0/+
Landscape	0	<ul style="list-style-type: none"> ○ The site is well screened and within the town and there would be no discernible impact on the landscape. 	0
Material Assets	+/-	<ul style="list-style-type: none"> ○ The proposal would introduce community facilities (church). 	+

		<ul style="list-style-type: none"> There is insufficient secondary school capacity, and secondary road access is required. Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects i.e. provide road solution and education provision. 	
Population	+	<ul style="list-style-type: none"> The development could facilitate a greater mix of housing in this area and assist in permeability of the settlement. Due to the site's central location in the settlement the development would allow integration of people; where they live and work. 	+
Human Health	+	<ul style="list-style-type: none"> The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing in a central location within the town, pedestrian links would be improved. Provides opportunities for new path links (e.g. to King Street). 	+
Cultural Heritage	-	<ul style="list-style-type: none"> The development risks a visual impact on the setting of the adjacent Oldmeldrum Conservation Area. If allocated, a proposed mitigation would be stated as part of the development requirements for the site, namely that the design of buildings on the site should seek to reflect the surrounding local architectural styles and be respectful of the townscape and potential visual impact of height and scale of the development on the surrounding streets. 	-/0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP2 (FR068) Coutens		Proposal: 85 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> reversibility or irreversibility risks duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> In terms of air quality, the development is likely to have a long-term negative effect on air quality, particularly in towns where air quality is approaching the EU objective. The development would result in increased traffic flow through Oldmeldrum. The site is next to a busy bus route, which may help reduce commuter traffic. 	-/?
Water	--	<ul style="list-style-type: none"> Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. Given the site is already allocated in the LDP it can be expected that there will be capacity for this site. This is a reversible short-term impact. Invercarnie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. A buffer strip would be required along the watercourse that runs adjacent to the site to mitigate against any effects. If allocated, this mitigation would be stated in the development requirements of the opportunity site. 	0
Climatic Factors	-	<ul style="list-style-type: none"> The development is not in a flood risk area. Although development could have some negative impact due to the potential for increased travel requirements (the need to travel to some services and other areas of employment) and increased emissions, the site is well connected within Oldmeldrum. The site is also near a bus route, which may help reduce commuter traffic. 	0/?

Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in the loss of prime agricultural land to the south of the site. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	+	<ul style="list-style-type: none"> ○ Buchan Ness to Collieston Coast SPA, Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are likely to be affected through indirect drainage. ○ The development may maintain or enhance existing green networks and improve connectivity/function or create new links where needed. ○ Biodiversity enhancements are proposed, and the site will enhance biodiversity through redevelopment of brownfield land. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	--	<ul style="list-style-type: none"> ○ The proposal will lead to significant pressure on local infrastructure, namely WWTW and education. However, a WWTW upgrade is due 2022, and consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects i.e. provide road solution and education provision. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ Development would enhance green networks and make good provision of open space. 	-/0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. ○ However, proposals must accord with the design policies in the LDP and include a mix of house types. 	+
Human Health	+	<ul style="list-style-type: none"> ○ The proposal provides open space proportionate with the scale of allocation. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Cultural Heritage	--	<ul style="list-style-type: none"> ○ The site is located within the Battle of Barra Inventory historic battlefield boundary (BLT 18) of 1308, which was one of many fought by Robert the Bruce. It is significant as it marks the end of any coordinated opposition to him in Scotland. Most of this allocation would be outwith the Inventory boundary. ○ Any potential impacts on key landscape characteristics and the cumulative impacts should be assessed, with mitigation and enhancement considered, in line with HES Battlefield guidance. ○ The development will have long-term and permanent negative effects on the battlefield that lies on the south part of the site (Battle of Barra): the development may weaken the sense of place, and the identity of an existing settlement. ○ Due to nearby sites of historic and archaeological interest, and the potential for unrecorded archaeology, a programme of archaeological works is likely to be required. 	-/?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP4 (FR069) Land at Chapel Park, Oldmeldrum		Proposal: 62 homes (reduced from 68 homes in PLDP 2020)	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> reversibility or irreversibility risks duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> In terms of air quality, the development is likely to have a long-term negative effect on air quality, particularly in towns where air quality is approaching the EU objective. The development would result in increased traffic flow through Oldmeldrum. The site is next to a busy bus route, which may help reduce commuter traffic. 	-/?
Water	--	<ul style="list-style-type: none"> Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. Given the site is already allocated in the LDP it can be expected that there will be capacity for this site. This is a reversible short-term impact. Invercannie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	-	<ul style="list-style-type: none"> The development is not in a flood risk area. Although development could have some negative impacts due to the potential for increased travel requirements (the need to travel to some services and other areas of employment) and increased emissions, the site is well connected within Oldmeldrum. The site is also near a bus route, which may help reduce commuter traffic. 	0
Soil	--	<ul style="list-style-type: none"> The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	+	<ul style="list-style-type: none"> Buchan Ness to Collieston Coast SPA, Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are likely to be affected through indirect drainage. The development will enhance biodiversity through redevelopment of brownfield land. Mitigation measures, such as a buffer strip next to an area of woodland would reduce potential negative effects and provide biodiversity enhancement opportunities (woodland on site protected by condition on the consent granted on site already). 	+
Landscape	0	<ul style="list-style-type: none"> Minimal landscape impact as the development fits within the existing tree belt. Given that over a long-term, what gets developed becomes part of the landscape, any effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> The proposal will lead to some pressure on local infrastructure however a WWTW upgrade is due 2022. Meldrum Academy will be over capacity, however, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	0/?

Population	+	o A mix of house types is proposed resulting in a housing choice for all groups of the population.	+
Human Health	0/+	o It would not result in the loss of open space/core paths. o Links to an existing settlement already exist. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing.	0/+
Cultural Heritage	0	o Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP5 (FR061) Newbarns		Proposal: 146 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	o A proposal of this scale will lead to a decrease in air quality (i.e. through increases in concentrations of air pollutants) as it will increase traffic flow through Oldmedrum, a town where air quality is approaching the EU objective. A long-term negative effect on air quality, is anticipated.	-
Water	--	o Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. It is anticipated that provision would be made for a new development. This is a reversible short-term impact. o Invercannie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o A watercourse runs through the site (Burn of Gownor) and field drain along eastern boundary. A buffer strip would be required alongside all watercourses to mitigate against any effects. If allocated, these mitigations would be stated as part of the development requirements of the opportunity site.	-/?
Climatic Factors	-	o Although development could have some negative impacts due to the potential for increased travel requirements (the need to travel to some services and other areas of employment) and increased emissions, the site is well connected within Oldmeldrum. o The development is in an area identified at risk from surface water flooding and is likely to have a long-term effect on climate and the water environment. This could be mitigated through SuDS and a Flood Risk Assessment (FRA). If allocated, the development requirements for the site would state that a FRA may or will be required.	0
Soil	--	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases	--

		<ul style="list-style-type: none"> ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. ○ Partially overlaps with an area of carbon rich soil and peatland. A Peat Survey will be required. 	
Biodiversity	0	<ul style="list-style-type: none"> ○ Unlikely to have a long-term adverse impact on biodiversity, but a Phase 1 Habitat Survey as a watercourse runs through the site. ○ The development has potential to maintain or enhance existing green networks and improve connectivity/function or create new links where needed: the site is adjacent to ancient woodland which could be protected with a buffer strip and/or extended into the site. ○ Mitigation measures, such as compensatory planting or a buffer strip next to an area of woodland or watercourse would reduce potential negative effects of the development and provide biodiversity enhancement opportunities. If the site is allocated, the need for compensatory planting and/or a buffer strip will be stated as part of the development requirements for the site. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The proposal is in a location which is unlikely to have any effect on landscape quality. ○ Although the nature of land use in the area will be changed and displaced, and the relationship between landforms and land use, field pattern and boundaries as well as buildings and structure will change, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	--	<ul style="list-style-type: none"> ○ The proposal will have significant negative effects on existing infrastructure by exceeding the capacity of the sewage network and the education provision. However, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	-/0
Population	+	<ul style="list-style-type: none"> ○ The mix of house types proposed results in housing choice for all groups of the population. 	+
Human Health	+	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways. There is potential for improved access to a nearby recreational path (the Den of Gownor track). ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ The population is not at risk from hazardous developments. 	+
Cultural Heritage	--	<ul style="list-style-type: none"> ○ There is potential for an adverse impact on Scheduled monument, The Temple Stones, stone circle northeast of Potterton House. An assessment will be required to ascertain likely impacts on its setting. 	?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR083 Land at Colpy Roundabout, Oldmeldrum		Proposal: Employment land	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-/?	<ul style="list-style-type: none"> ○ In terms of air quality, the development is likely to have a long-term negative effect on air quality, particularly in towns where air quality is approaching the EU objective. The development risks are increased traffic flow through Oldmeldrum. ○ The development of employment land is likely to worsen air quality due to the nature of potential uses and vehicular transport to and from the site. 	-/?
Water	0/?	<ul style="list-style-type: none"> ○ Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. The demand for wastewater capacity will depend on the business use - early engagement with Scottish Water is encouraged. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is good. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. 	0/?
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. 	-
Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	0
Landscape	--	<ul style="list-style-type: none"> ○ The proposal is likely to have a significant negative impact on the setting of Oldmeldrum. Significant strategic planting would be required to reduce its visual impact from the road. 	--/?

		<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. 	
Material Assets	+	<ul style="list-style-type: none"> ○ The proposal is not expected to lead to any significant pressure on local infrastructure. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. Would enhance/maintain supply of employment land with good transport links. 	+
Population	+	<ul style="list-style-type: none"> ○ The development would allow integration of people; where they meet and work. Employment opportunity in the town. 	+
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. 	-
Cultural Heritage	--	<ul style="list-style-type: none"> ○ The development will have a direct effect on the land uses around the Barra Battlefield site. ○ The development may weaken the sense of place, and the identity of the settlement given its distance from the centre, however the effect is in part lessened by the adjacent land uses and topography. ○ Nonetheless, the site is located within an important area associated with the battle and close to an area of fighting (i.e. The Bruce's Stone and the Comyn Lines). It sits within an area of high archaeological potential, and may result in the encroachment of modern development towards the centre of the battlefield. ○ Due to development impacting on a site of historic and archaeological interest with the potential for unrecorded archaeology, a programme of archaeological works would be required. 	--
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR111, Site 2, Land Adjacent to Millburn Road & B9170 Oldmeldrum		Proposal: 200 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a decrease in air quality (i.e. through increases in concentrations of air pollutants) as it will increase traffic flow through Oldmedrum, a town where air quality is approaching the EU objective. A long-term negative effect on air quality, is anticipated. 	-
Water	-	<ul style="list-style-type: none"> ○ Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. A further growth project may be required to accommodate this development. This is a reversible medium/long-term impact. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. 	-/?

		<ul style="list-style-type: none"> ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is good. ○ A watercourse runs adjacent to the site. A buffer strip would be required alongside all watercourses to mitigate against any effects. If allocated, this mitigation would be stated as part of the development requirements of the opportunity site. 	
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) with associated increased emissions. ○ Part of the site is identified as being at flood risk and risks long-term effects on climate and the water environment. However, through appropriate design it could lead to decreased run-off. However, using the principals of SuDS, and by avoiding development of areas at risk close to the burn this could be avoided. Increased planting on site may reduce run-off rates from the current agricultural use. A FRA may also be required. If allocated, these mitigations would be stated as part of the development requirements of the opportunity site. 	0
Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	+	<ul style="list-style-type: none"> ○ Unlikely to have a long-term adverse impact on biodiversity. ○ The development has potential to maintain or enhance existing green networks and improve connectivity/function or create new links where needed: site adjacent to ancient woodland which could be protected with a buffer strip and/or extended into the site. ○ Mitigation measures, such as compensatory planting or a buffer strip next to an area of woodland or watercourse would reduce potential negative effects of the development and provide biodiversity enhancement opportunities. If the site is allocated, the need for compensatory planting and/or a buffer strip will be stated as part of the development requirements for the site. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The proposal is in a location which is unlikely to have any effect on landscape quality. ○ Although the nature of land use in the area will be changed and displaced, and the relationship between landforms and land use, field pattern and boundaries as well as buildings and structure will change. Given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	--	<ul style="list-style-type: none"> ○ The proposal will have significant negative effects on existing infrastructure by exceeding the capacity of the sewage network, road access and the education provision. However, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	-/?
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. However, proposals must accord with the design policies in the LDP and include a mix of house types. ○ The development may allow integration of people; where they live and work. 	+
Human Health	+	<ul style="list-style-type: none"> ○ Opportunities exist to improve walking and cycling links, and provide additional linkage and improvement to open space provision ○ It would not result in the loss of open space/core paths, with opportunity to greatly enhance core path access and recreation associated with a riparian setting. 	+

		<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ The population is not at risk from hazardous developments. 	
Cultural Heritage	--	<ul style="list-style-type: none"> ○ Despite the battlefield designation, subject to retaining the riparian area with the potential to enhance access to the Meadow Burn, there is potential for increasing understanding of the site as part of the history of Barra Battlefield. 	-/0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR012 Driving Range, Oldmeldrum		Proposal: 12 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	--	<ul style="list-style-type: none"> ○ Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. A further growth project may be required to accommodate this development. This is a reversible short-term impact. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. 	0/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. 	0
Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in a significant loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	+	<ul style="list-style-type: none"> ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. ○ The development will enhance biodiversity through redevelopment of brownfield land. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. 	0

		<ul style="list-style-type: none"> ○ However, given that over a long-term, what gets developed becomes part of the landscape, any effects are only likely to be medium-term. 	
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will lead to pressure on local infrastructure. Notably, the WWTW, and there are education constraints as Meldrum Academy will be over capacity by 2022. Road access improvements would also be required. ○ However, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The site is also relatively remote from the settlement and local services. 	0/-
Population	+/0	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in housing choice for all groups of the population. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Close proximity to sports facilities and potential active travel opportunities. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ No impact on cultural heritage 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR062, Newbarns Phase 2 Oldmeldrum		Proposal: 146 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a decrease in air quality (i.e. through increases in concentrations of air pollutants) as it will increase traffic flow through Oldmeldrum, a town where air quality is approaching the EU objective. A long-term negative effect on air quality is anticipated. 	-
Water	--	<ul style="list-style-type: none"> ○ Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. A further growth project may be required to accommodate this development. This is a reversible medium-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. Any potential impacts on the water environment can be mitigated by SuDS. 	-/?
Climatic Factors	0/-	<ul style="list-style-type: none"> ○ The site is not in a flood risk area. ○ The development could have a long-term negative impact due to the potential for increased travel and increased emissions. 	0/-

Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in a significant loss of prime agricultural land and it partially overlaps with an area of carbon rich soil and peatland. This will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	+	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development has potential to enhance existing green networks and improve connectivity/function or create new links where needed as there is ancient woodland close by. If the site is allocated, mitigation measures, such as compensatory planting would reduce potential negative effects and provide biodiversity enhancement opportunities and if the site is allocated, these mitigations will be stated as part of the development requirements for the site. 	+
Landscape	0	<ul style="list-style-type: none"> ○ No significant landscape impact is anticipated. ○ Given that over a long-term, what gets developed becomes part of the landscape, any effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will lead to pressure on local infrastructure. Notably, the WWTW, and there are education constraints as Meldrum Academy will be over capacity by 2022. Road access improvements would also be required. ○ However, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. There are disadvantages associated with the site, including the need for schoolchildren to cross the A947 and the impact that development may have on the opportunities for an “eastern by-pass”. ○ The site is also relatively remote from the settlement and local services. 	-/?
Population	+	<ul style="list-style-type: none"> ○ The mix of house types proposed results in housing choice for all groups of the population. 	+
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. Access to existing recreational area is expected. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing in a central location within the town, pedestrian links would be improved. ○ The population will not be at risk from hazardous developments. 	0/+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR073 Land at Parkside Piggery, Oldmeldrum		Proposal: 10 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects, the site is small scale. ○ Quite an isolated site, no pedestrian links to Oldmeldrum, no bus stop close by which means reliance on private cars. However, developments of this scale are unlikely to have any effect on air quality. 	0
Water	-	<ul style="list-style-type: none"> ○ Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. A further growth project may be required to accommodate this development. This is a reversible short-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ No flood risk. Small-scale surface water issues only, that would be resolvable through an appropriate drainage system. ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, a development of this scale is unlikely to have any effect on emissions. 	0
Soil	+/?	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in remediation of potentially contaminated soil. 	+/?
Biodiversity	0	<ul style="list-style-type: none"> ○ The development will enhance biodiversity through redevelopment of brownfield land. 	0/+
Landscape	+	<ul style="list-style-type: none"> ○ Redundant piggery buildings, which appear unsightly in the wider landscape, would be redeveloped 	+
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access and education capacity at Meldrum Academy. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. However, road may not be upgradeable to an adoptable, which may have a long-term effect. ○ Quite isolated site, no pedestrian links to Oldmeldrum, no bus stop close by. 	-/?
Population	-	<ul style="list-style-type: none"> ○ No mix of house types identified, but small proposal could deliver a diverse offering, inclusive of affordable housing provision. These would be required through the 'Shaping Places' policies within the Local Development Plan. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment 	0

Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect
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Site Ref: FR088 Land at Parcock Quarry, Oldmeldrum		Proposal: 10 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	--	<ul style="list-style-type: none"> ○ Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. A further growth project may be required to accommodate this development. This is a reversible short-term impact. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. 	0/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. 	0
Soil	+	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in remediation of potentially contaminated land. 	+
Biodiversity	0	<ul style="list-style-type: none"> ○ The development will enhance biodiversity through redevelopment of brownfield land. 	0
Landscape	+	<ul style="list-style-type: none"> ○ Creation of houses with landscaping would make a more positive contribution to the landscape than its previous use as a quarry. 	+
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will lead to pressure on local infrastructure. Notably, WWTW and there are education constraints as Meldrum Academy will be over capacity by 2022. Road access improvements would also be required. ○ However, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ Although the site benefits from existing access and transportation links, the site is relatively inaccessible to the range of local services in Oldmeldrum. ○ However, the site is adjacent to core paths that link the site to a footpath network. 	-/+
Population	+/0	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in housing choice for all groups of the population. 	+/0

Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR110 Site 1, Land Adjacent to B9170, Oldmeldrum		Proposal: Employment land	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-/?	<ul style="list-style-type: none"> ○ The development of employment land is likely to worsen air quality due to the nature of potential uses and vehicular transport to and from the site. 	-/?
Water	0/?	<ul style="list-style-type: none"> ○ Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. The demand for wastewater capacity will depend on the business use - early engagement with Scottish Water is encouraged. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is good. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. 	0/?
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. 	-
Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--

Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The proposal would lead to some degree of landscape change as it would significantly extend the settlement to the south. Oldmeldrum has quite a unique situation within the landscape. This could be mitigated to some extent by boundary and landscaping within the bid site and the site is relatively flat and would only be prominent from the B9170. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+/-	<ul style="list-style-type: none"> ○ The proposal is not expected to lead to any significant pressure on local infrastructure. ○ Infrastructure requirements may require some alterations to B9170, but these are likely to be relevantly scaled to the site. Further discussion with Roads Development may be required here. ○ Development provides supply of employment land. 	+/?
Population	0	<ul style="list-style-type: none"> ○ The development would allow further employment land in the village, which is within 1km of the core of the village and has good cycle and pedestrian links close to the site. However, it is not in close integration to housing areas and may promote more car usage than alternative sites which are closer to residential areas. 	0
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. 	0
Cultural Heritage	--	<ul style="list-style-type: none"> ○ The development will have a direct effect on the land uses around the Barra Battlefield site. It would be located in the vicinity of an area of fighting and important places associated with the battle (i.e. The Bruce Field and the Comyn Lines). ○ The development may weaken the sense of place, and the identity of the settlement given its distance from the centre. However, the effect is in part lessened by the adjacent land uses and topography. ○ Due to the development impacting on a site of historic and archaeological interest, with the potential for unrecorded archaeology, a programme of archaeological works would be required. 	--/?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR135 Site Adjacent to Gownor, Oldmeldrum		Proposal: 40 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> ○ In terms of air quality, the development is likely to have a long-term negative effect on air quality, particularly in towns where air quality is approaching the EU objective. The housing numbers are unknown, but the development is likely to result in increased traffic flow through Oldmeldrum. 	-/?
Water	--	<ul style="list-style-type: none"> ○ Capacity at Oldmeldrum WWTW is not currently available for this area however an upgrade is due 2022-23. A further growth project may be required to accommodate this development. This is a reversible short/medium-term impact. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity. Local water mains reinforcement may be required depending on outcome of WIA. No issues regarding reservoir capacity. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	-/?
Climatic Factors	0/-	<ul style="list-style-type: none"> ○ The site is not in a flood risk area. ○ The development could have a long-term negative impact due to the potential for increased travel and increased emissions. 	0/-
Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss. 	--
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development has potential to maintain or enhance existing green networks and improve connectivity/function or create new links where needed as there is ancient woodland close by with potential to plant a buffer strip adjacent to this. If the site is allocated, the need for such a buffer strip would be stated as part of the development requirements of the site. 	0
Landscape	0	<ul style="list-style-type: none"> ○ No significant landscape impact, as the site is well contained. ○ Given that over a long-term, what gets developed becomes part of the landscape, any effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will lead to pressure on local infrastructure. Notably, a WWTW and there are education constraints as Meldrum Academy will be over capacity by 2022. Road access improvements would also be required. ○ However, consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. The site does not currently connect well with the settlement. 	-/?

Population	-	<ul style="list-style-type: none"> ○ A poor mix of house types is proposed resulting in a limited housing choice for all groups of the population. ○ However, proposals must accord with the design policies in the LDP and include a mix of house types. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing in a central location within the town, pedestrian links would be improved. ○ The population will not be at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR136 Site Opposite Auquhorthies Croft, Oldmeldrum		Proposal: 6 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	Although the proposal would promote the use of the private car it is unlikely that the scale of the proposal would lead to a significant effect on air quality.	0
Water	-	<ul style="list-style-type: none"> ○ The WWTW/WTW capacity is unknown for this area and it is likely that a private sewer is required. If the site is allocated, this will be specified in the Settlement Statement. This is a reversible short-term impact. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The site is adjacent to a watercourse and a buffer strip would be required to mitigate against any effects. If allocated, this mitigation would be stated in the development requirements of the opportunity site. 	0/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ Significant distance from facilities. ○ Although the proposal would promote the use of the private car it is unlikely that the scale of the proposal would lead to a significant effect on climate or that climatic factors would place the site at risk. 	0
Soil	-	○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Prime agricultural land is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss.	-
Biodiversity	0	○ Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. If the site is allocated, such mitigation measures will be stated as part of the development requirements for the site.	0

Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced but through sensitive design, landscape impact could be minimised. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access, WWTW and education capacity at Meldrum Academy. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. However, the road may not be upgradeable to an adoptable standard, which may have a long-term effect. ○ Quite an isolated site, no pedestrian links to Oldmeldrum and no bus stop close by. 	-/?
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. However, proposals must accord with the design policies in the LDP and include a mix of house types. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Unlikely to have a significant effect on human health. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

PITMEDDEN AND MILLDALE

Preferred Sites

Site Ref: OP2 (FR006) Land Southwest of Pitmedden		Proposal: 100 homes and community hub (reduced from 219 homes, new primary school and community uses in PLDP 2020 with FR007)	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> o Development is of a scale that may have an effect on air quality. 	-
Water	--	<ul style="list-style-type: none"> o Pitmedden WWTW is not available for the whole of the site. This is a reversible short-term impact. Scottish Water will initiate a growth project once development meets the 5 growth criteria. A DIA is required. o Turriff WTW has sufficient capacity, but a WIA will be required. Raitshill Pitmedden Service Reservoir has below 18 hours storage capacity and a growth project is planned. This is a reversible short-term impact. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o The proposed development on a greenfield site is near a watercourse where the quality of water bodies is medium. This could be mitigated by an appropriate SuDS scheme. 	0
Climatic Factors	-	<ul style="list-style-type: none"> o The site is adjacent to an area predicted by SEPA to flood and may have pockets of localised drainage issues. These are known and will be planned around through the provision of appropriate SuDS. It is unlikely to have any impacts on water quality. o A proposal of this scale may cause an increase in CO₂ emissions through increased car travel. This would be a medium-term risk. 	0
Soil	--	<ul style="list-style-type: none"> o A development of this scale will have a significant impact on soil identified as prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Arguments presented by the developer that all because the site is identified as "prime", does not mean it is utilised as such and that it should also impede development. It cannot be argued that a public benefit identified for one site automatically applies to all others. 	--
Biodiversity	0	<ul style="list-style-type: none"> o The proposal would have a moderately positive effect through conserving and enhancing significant habitats, and maintaining and enhancing habitat connectivity. 	0
Landscape	0	<ul style="list-style-type: none"> o The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. 	0

		<ul style="list-style-type: none"> o However, the area is currently very well hidden from surrounding areas and this is unlikely to be an issue. Effects are only likely to be medium-term. 	
Material Assets	+	<ul style="list-style-type: none"> o Proposals of this scale could have a positive effect through provision of affordable housing, waste water infrastructure and creation of the community hub. Any negative impacts could be mitigated through contributions via developer obligations. 	+
Population	?	<ul style="list-style-type: none"> o Specification is not given for the mix of house types proposed resulting in a limited housing choice for all groups of the population. This is not a material concern as the Local Development Plan policies on housing and affordable housing stipulate a mix of tenure with a minimum of 25% of the housing stock being classified as affordable. 	+/0
Human Health	-	<ul style="list-style-type: none"> o The proposal is partly located in a health and safety outer consultation zone for oil/gas pipelines. The impacts from this would be medium-term but could be managed through good design. This would need to be considered within the design process and presented as part of the planning application. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> o Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP3 (FR108) Mill of Allathan		Proposal: 68 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> o Development is of a scale that may have an effect on air quality. 	-
Water	-	<ul style="list-style-type: none"> o Pitmedden WWTW is not available for the whole of the site. This is a reversible short-term impact. Scottish Water will initiate a growth project once development meets the 5 growth criteria. A DIA is required. o Turriff WTW has sufficient capacity, but a WIA will be required. Raitshill Pitmedden Service Reservoir has below 18 hours storage capacity and a growth project is planned. This is a reversible short-term impact. o Subject to avoidance of the riparian area and associated flood risk area there would be no effect on water quality o There is potential for contamination from the nearby landfill but effective remediation would lead to a potentially positive effect. Overall, the impact is likely to be neutral. 	0
Climatic Factors	0	<ul style="list-style-type: none"> o Subject to avoidance of flood risk, the proposal is unlikely to have any impact on or be at risk from climatic factors. A Flood Risk Assessment may be required. 	0
Soil	-	<ul style="list-style-type: none"> o The proposed development would result in the loss of prime agricultural land. Again, potential for contamination to be removed but overall still a negative effect. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	-

Biodiversity	+	o Mitigation measures could reduce potential negative impacts and provide biodiversity enhancement opportunities. Such measures would be in accordance with the Parks and Open Space Strategy.	0
Landscape	-	o There could be minor impacts on the immediate landscape setting of Ptimedden as the development would be on a prominent slope above the settlement. The proposal would have some detrimental effects on the landscape character albeit at a small scale. Negative landscape impacts could potentially be mitigated through strategic planting.	0
Material Assets	0	o Other than secondary school capacity, the proposal would have largely neutral impacts.	0
Population	+/0	o The development would have no significant effect on population other than providing a mix of housing. This would be a requirement at planning permission stage in order to comply with the LDP policies.	+/0
Human Health	0	o It would not result in the loss of open space/core paths. The site is located within HSE's outer pipeline consultation zone.	-
Cultural Heritage	0	o Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP4 (FR015) Land at Cloisterseat		Proposal: 10 homes and 0.8ha of employment land	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o Individual developments of this scale are unlikely to have any effect on air quality.	0
Water	0	o The proposal is unlikely to have any significant effect on water quality as it will be connected to a public sewer and will not exceed sewage treatment capacity, and it does not propose private water abstraction.	0
Climatic Factors	0	o The site is not within an identified flood risk area. o A proposal on this scale is unlikely to have any effect on CO ₂ emissions. o Use of biomass for district heating will have a positive effect on neutralising CO ₂ emissions.	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. o The proposal is not on prime agricultural land or carbon rich land.	0
Biodiversity	0	o The development is of a scale or in a location which is unlikely to negatively affect a nature conservation site or wider biodiversity.	0
Landscape	0	o The proposal is of a scale or in a location which is unlikely to have any effect on landscape quality and any adverse impacts could be mitigated through design.	0

Material Assets	+	<ul style="list-style-type: none"> ○ The proposal will make a small contribution to sustaining Pitmedden Primary School. ○ The proposal includes woodland expansion and/or creation. 	+
Population	+/0	<ul style="list-style-type: none"> ○ The mix of house types proposed will result in housing choice for all groups of the population. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effect on existing pathways or access to open space. ○ The population is not at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR006 (formerly OP2 in PLDP 2020) Land Southwest of Pitmedden		Proposal: 219 homes, new primary school and community uses	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a decrease in air quality. Given the nature of the development this is considered to be long-term and permanent. 	-
Water	--	<ul style="list-style-type: none"> ○ Pitmedden WWTW is not available for the whole of the site. This is a reversible short-term impact. Scottish Water will initiate a growth project once development meets the 5 growth criteria. A DIA is required. ○ Turriff WTW has sufficient capacity, but a WIA will be required. Raitshill Pitmedden Service Reservoir has below 18 hours storage capacity and a growth project is planned. This is a reversible short-term impact. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies is medium. This could be mitigated by an appropriate SuDS scheme. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The site is adjacent to an area predicted by SEPA to flood and may have pockets of localised drainage issues. These are known and will be planned around through the provision of appropriate SuDS. It is unlikely to have any impacts on water quality. ○ A proposal of this scale may cause an increase in CO₂ emissions through increased car travel. This would be a medium-term risk. 	0

Soil	--	<ul style="list-style-type: none"> ○ A development of this scale will have a significant impact on soil identified as prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. Arguments presented by the developer that all because the site is identified as “prime”, does not mean it is utilised as such and that it should also impede development. It cannot be argued that a public benefit identified for one site automatically applies to all others. 	--
Biodiversity	0	<ul style="list-style-type: none"> ○ The proposal would have a moderately positive effect through conserving and enhancing significant habitats, and maintaining and enhancing habitat connectivity. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, the area is currently very well hidden from surrounding areas and this is unlikely to be an issue. Effects are only likely to be medium-term. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ Proposals of this scale could have a positive effect through provision of affordable housing, waste water infrastructure and creation of the community woodland. Any negative impacts could be mitigated through contributions via developer obligations. 	+
Population	?	<ul style="list-style-type: none"> ○ Specification is not given for the mix of house types proposed resulting in a limited housing choice for all groups of the population. This is not a material concern as the Local Development Plan policies on housing and affordable housing stipulate a mix of tenure with a minimum of 25% of the housing stock being classified as affordable. 	+/0
Human Health	-	<ul style="list-style-type: none"> ○ The proposal is partly located in a health and safety outer consultation zone for oil/gas pipelines. The impacts from this would be medium-term but could be managed through good design. This would need to be considered within the design process and presented as part of the planning application. 	0
Cultural Heritage	?	<ul style="list-style-type: none"> ○ There is potential for an adverse impact (A listed, Udney Castle). To mitigate potential adverse impact on the setting of Udney Castle, appropriate measures must be included to maintain the existing South-East to North-West linear tree belt. ○ An existing tree belt should be maintained to protect its setting. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR008 Land allocated for Hall OP1 South West of Pitmedden		Proposal: 5 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ A proposal of this scale is unlikely to impact on air quality. 	0

Water	--	o The WWTW is not available for the whole of the area. This is a reversible short-term impact.	-
Climatic Factors	0	o The site is adjacent to an area predicted by SEPA to flood. This will be planned through the provision of appropriate SUDS. It is unlikely to have any impact on water quality. A Flood Risk Assessment could identify mitigation measures.	0
Soil	0	o This development is unlikely to have an impact on soils other than short-term and temporary impacts at the construction phase.	0
Biodiversity	0	o The proposal has modest improvements to existing biodiversity.	0
Landscape	0	o The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o However, the site is currently within the urban area and this is unlikely to be an issue. Effects are only likely to be medium-term.	0
Material Assets	-	o Proposals of this scale have no material benefits for the community. o The loss of a site for the public hall represents a significant disadvantage for this proposal.	-
Population	?	o Specification is not given for the mix of house types proposed resulting in a limited housing choice for all groups of the population. However, planning permission would be granted in accordance with the LDP policies therefore providing a sustainable mixed development with a minimum of 25% affordable housing.	+/0
Human Health	0	o There are no impacts on human health.	0
Cultural Heritage	0	o The proposal is unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR094 Land for housing at Norse Yard, Pitmedden		Proposal: 10-15 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	o In terms of air quality, the development is unlikely to have a long-term negative effect on air quality. o For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	0	o The WWTW/WTW has capacity for this area. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term.	0

		<ul style="list-style-type: none"> ○ The watercourse that runs past the development and feeds into a watercourse where the quality of water at Bronie Burn is poor. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. <p>With the information on the quality of water around the site, the effects could be significant in the longer term.</p>	
Climatic Factors	0/-	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. ○ The development is in an area that is partially identified at fluvial water flood risk and is likely to have a long-term effect on climate and the water environment. 	0/-
Soil	+	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development could result in remediation of contaminated soil. 	+
Biodiversity	+	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation, but as it is surrounded by mature trees, this could disturb species that use the site as a habitat. However, almost half of the site is in use for storage, so the impact is likely to be low. ○ The development's open space proposes SuDS next to the watercourse, which could enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. ○ Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	+
Landscape	-	<ul style="list-style-type: none"> ○ In light of the scale and location of the proposal, it would have a negative impact on the landscape character and the effect is likely to be long-term. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change within this sensitive landscape. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure. ○ Proposes the removal of employment land. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. However, the LDP policy requires a mix of house types. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ The adjacent core paths will not be affected. ○ Any contaminated soil would be removed. 	0
Cultural Heritage	--	<ul style="list-style-type: none"> ○ The development will have long-term and permanent negative effects on the setting of Pitmedden's gardens and designed landscape. The development may weaken the sense of place, and the identity of Pitmedden, by infilling development between the walled garden and the B999. With the exception of the existing warehouse on the bid site, land between the walled garden and the B999 is generally uninterrupted from Pitmedden to the crossroads. 	-

		<ul style="list-style-type: none"> ○ The proposal may have a potential impact on views from the Great Garden, which could affect the setting for both the A listed building and the designed landscape. ○ Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes, and also in Pitmedden and adjacent development. ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. 	
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR095 Land for Mixed use at Norse Yard, Pitmedden		Proposal: 12 homes and commercial land	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ In terms of air quality, the development is unlikely to have a long-term negative effect on air quality. ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	0	<ul style="list-style-type: none"> ○ The WWTW/WTW has capacity for this area. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The watercourse that runs past the development and feeds into a watercourse where the quality of water at Bronie Burn is poor. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. ○ With the information on the quality of water around the site, the effects could be significant in the longer term. 	0
Climatic Factors	0/-	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. ○ The development is in an area that is partially identified at fluvial water flood risk and is likely to have a long-term effect on climate and the water environment. 	0/-
Soil	+	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development could result in remediation of contaminated soil. 	+

Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation, but as it is surrounded by mature trees, this could disturb species that use the site as a habitat. However, almost half of the site is in use for storage, so the impact is likely to be low. ○ The development's open space proposes SuDS next to the watercourse, which could enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. ○ Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	0
Landscape	-	<ul style="list-style-type: none"> ○ In light of the scale and location of the proposal, it could have a negative impact on the landscape character and the effect is likely to be medium-term. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change within this sensitive landscape. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. ○ The development would allow integration of people; where they live and work. Employment opportunity in the village. ○ This can be mitigated through Local Development Plan policies that ensure that developments are made up of mixed sustainable communities with a minimum of 25% affordable housing 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ The adjacent core paths will not be affected. ○ Any contaminated soil would be removed. 	0
Cultural Heritage	--	<ul style="list-style-type: none"> ○ The development will have long-term and permanent negative effects on the setting of Pitmedden's gardens and designed landscape. The development may weaken the sense of place, and the identity of Pitmedden, by infilling development between the walled garden and the B999. With the exception of the existing warehouse on the bid site, land between the walled garden and the B999 is generally uninterrupted from Pitmedden to the crossroads. ○ The proposal may have a potential impact on views from the Great Garden, which could affect the setting for both the A listed building and the designed landscape. ○ Invariably the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes, and also in Pitmedden and adjacent development. ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. 	-
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR096 Land at West and North West Pitmedden		Proposal: Erection of 90 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ In terms of air quality, the development is unlikely likely to have a long-term negative effect on air quality. ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	0	<ul style="list-style-type: none"> ○ Pitmedden WWTW is not available for the whole of the site. This is a reversible short-term impact. Scottish Water will initiate a growth project once development meets the 5 growth criteria. A DIA is required. ○ Turriff WTW has sufficient capacity, but a WIA will be required. Raitshill Pitmedden Service Reservoir has below 18 hours storage capacity and a growth project is planned. This is a reversible short-term impact. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel distances to services) and increased emissions. ○ This impact could potentially be mitigated through improved public transport. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	-
Biodiversity	0	<ul style="list-style-type: none"> ○ The development is likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. ○ Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. ○ Significant scale development that would further alter the character of the area. The impact could be mitigated by strategic landscaping. 	0

Material Assets	0	<ul style="list-style-type: none"> ○ Unlikely to have a notable impact. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include social infrastructure (schools, housing, healthcare facilities); previously developed land; minerals and aggregates (quarries); transport infrastructure (road, rail, paths, pipelines and bridges); water-delivery infrastructure; sewerage infrastructure; energy infrastructure (power stations, pylons, power cables, wind turbines and pipelines); natural environment (woodland, arable land, forests and agricultural land); tourism and recreation (caravan parks and camping sites); telecommunication infrastructure (telephone, masts, satellite television and broadband); waste management infrastructure (waste collection, transfer stations and composting facilities). 	0
Population	+	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in a choice for all groups of the population. 	+
Human Health	0	<ul style="list-style-type: none"> ○ No impacts of note. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	-	<ul style="list-style-type: none"> ○ The development will have long-term and permanent negative effects on the site/setting of scheduled monuments; and/or listed buildings; and/or gardens and designed landscapes and/or archaeological sites. The development may weaken the sense of place, and the identity of existing settlements. ○ The proposal may have a potential impact on views from the Great Garden, which could affect the setting for both the A listed building and the designed landscape. ○ Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets. ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR107 Milldale, Pitmedden		Proposal: 9 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. 	0
Water	0	<ul style="list-style-type: none"> ○ The proposal is unlikely to have any significant negative effects on water quality as it will be connected to a public sewer and will not exceed sewage treatment capacity and it does not propose private water abstraction. 	0

Climatic Factors	0	<ul style="list-style-type: none"> ○ The site is not within an identified flood risk area. ○ A proposal on this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ Part of the site is within prime agricultural land. However, the loss would not have any negative impact on the wider area. It will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	-
Biodiversity	-/?	<ul style="list-style-type: none"> ○ The development is of a scale or in a location which is unlikely to negatively affect a nature conservation site or wider biodiversity. ○ There is, however, a risk associated with woodland and habitats/wildlife, which needs to be considered at the detailed planning stage. ○ These impacts could be mitigated through good design including green corridors, that will enhance biodiversity. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The proposal is of a scale, and in a location, that is unlikely to have any effect on landscape quality. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The proposal will make a small contribution to sustaining Pitmedden Primary School. ○ The proposal includes woodland expansion and/or creation. 	+
Population	+/0	<ul style="list-style-type: none"> ○ The mix of house types proposed will result in housing choice for all groups of the population. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Development of this site is unlikely to have any significant effects on existing pathways or access to open space. ○ The population is not at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR132 Quarry Field Site, Land at Mill of Allathan Farm, Udney		Proposal: 24 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Development is of a scale which individually is unlikely to have any effect on air quality. 	0
Water	0	<ul style="list-style-type: none"> ○ There is potential for contamination from the nearby landfill, but effective remediation would lead to a potential positive effect. Overall, the effect is likely to be neutral. The WTW has capacity and is available for this area. WWTW is not currently available. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ Subject to avoidance of flood risk, the proposal is unlikely to have any impact on or be at risk from climatic factors. 	0

Soil	-	o The proposed development will result in the loss of prime agricultural land, but there is the potential for contamination to be removed. However, overall, still a negative effect. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term.	-
Biodiversity	+	o There is unlikely to be any significant impact on biodiversity. The development would be required to provide open space in accordance with the Parks and Open space strategy which could enhance biodiversity by providing green corridors, for example.	+
Landscape	-	o There could be minor impacts on the immediate landscape setting of Pitmedden as the development would be on a prominent slope, seen on the approach, and would have some detrimental effects on the landscape character.	-
Material Assets	0	o Other than secondary school capacity the proposal would have a largely neutral effect.	0
Population	+/0	o The development would have no significant effect on population other than providing a mix of housing, including affordable housing in accordance with the LDP policy.	+/0
Human Health	0	o It would not result in the loss of open space/core paths.	0
Cultural Heritage	0	o Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR133 Quarry Road Site, Land at Mill of Allathan Farm, Udry		Proposal: Employment (Private Business and offices)	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o For the most part, air quality is likely to have short to medium-term temporary insignificant effects. The scale of development is small and could result in more people using non-motorised transport to access the site.	0
Water	0	o There is unlikely to be a significant effect on the water environment.	0
Climatic Factors	0	o The development could contribute towards, create or be put at risk by climatic factors. The development is in an area identified at flood risk and is likely to have a long-term effect on climate and the water environment.	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0
Biodiversity	0	o The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat.	0

Landscape	-	o The nature of land use in the area will be changed and displaced. The site is prominent and making it suitable for employment land may have a negative effect on the setting of Pitmedden. This could be partially mitigated through screening.	0
Material Assets	0	o The proposal will not lead to any significant pressure on local infrastructure.	0
Population	0	o The development would allow integration of people; where they live and work. Employment opportunity in the village.	0
Human Health	0	o Unlikely to have a significant effect on human health.	0
Cultural Heritage	0	o Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

POTTERTON

Preferred Sites

Site Ref: OP1 (FR140 and FR141A) Land north of Denview Road		Proposal: 172 homes and community facilities	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	--	o There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Potterton. This is a reversible short-term impact. Network investigations may be required by new developments in Potterton. A growth project will be initiated once development meets Scottish Water's five growth criteria. o Invercannie, Mannofield and Turriff WTW has sufficient capacity. A Water Impact Assessment may be required. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term.	0
Climatic Factors	--	o The development is within an area identified as high flood risk (surface water). Impacts are likely to be localised and a Flood Risk Assessment will be required.	-/0

		<ul style="list-style-type: none"> o The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. 	
Soil	0	<ul style="list-style-type: none"> o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> o The Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are located to the north of this site. However, this site is not likely to have an adverse effect on the integrity of geese in terms of them foraging for food on fields. Likewise, increased recreational disturbance to SPAs are likely to have no adverse effect on their integrity. o The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. o Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	0
Landscape	-	<ul style="list-style-type: none"> o The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. o The site is found in the greenbelt. 	0
Material Assets	-	<ul style="list-style-type: none"> o There are a number of infrastructure constraints associated with the site, namely Balmedie Primary School which will have a long-term or temporary affect. o Access relies on a C class road. o The proposal will not lead to any significant pressure on local infrastructure. o The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include social infrastructure (schools, housing, healthcare facilities); previously developed land; minerals and aggregates (quarries); transport infrastructure (road, rail, paths, pipelines and bridges); water-delivery infrastructure; sewerage infrastructure; energy infrastructure (power stations, pylons, power cables, wind turbines and pipelines); natural environment (woodland, arable land, forests and agricultural land); tourism and recreation (caravan parks and camping sites); telecommunication infrastructure (telephone, masts, satellite television and broadband); waste management infrastructure (waste collection, transfer stations and composting facilities). 	0
Population	+	<ul style="list-style-type: none"> o The mix of house types proposed would result in a housing choice for all groups of the population. 	+
Human Health	+	<ul style="list-style-type: none"> o It would not result in the loss of open space/core paths. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	--	<ul style="list-style-type: none"> o Development would result in the loss of rig and furrow cropmarks. The impact would be permanent and irreversible. Investigations into archaeology may be required to be carried out. o Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets. 	-/?

		o New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term.	
Key		+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect	

Site Ref: OP2 (FR141B) Land Northwest of Manse Road		Proposal: 61 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	--	o There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Potterton. This is a reversible short-term impact. Network investigations may be required by new developments in Potterton. A growth project will be initiated once development meets Scottish Water's five growth criteria. o Invercannie, Mannofield and Turriff WTW has sufficient capacity. A Water Impact Assessment may be required. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. A buffer strip will be required adjacent to the watercourse on the western boundary of the site.	0
Climatic Factors	0/-	o Part of the site is within an area identified as high flood risk (surface water). Impacts are likely to be localised and a Flood Risk Assessment will be required. o Electric vehicles, and increased critical mass (customers) of public transport and local services will reduce the proposals potential environmental impact. o The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, its scale lessens this impact.	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0
Biodiversity	0	o The Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are located to the north of this site. However, this site is not likely to have an adverse effect on the integrity of geese in terms of them foraging for food on fields. Likewise, increased recreational disturbance to SPAs are likely to have no adverse effect on their integrity. o The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat.	0

		<ul style="list-style-type: none"> ○ Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. ○ The site is found in the green belt. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely Balmedie Primary School which will have a temporary affect. ○ Access relies on a C class road ○ The proposal will not lead to any significant pressure on local infrastructure. 	0
Population	+	<ul style="list-style-type: none"> ○ The mix of house types proposed would result in a housing choice for all groups of the population. 	+
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	--	<ul style="list-style-type: none"> ○ Development would result in the loss of cropmarks (e.g. oval enclosure) and other locally important remains. The impact would be permanent and irreversible. Investigations into archaeology may be required to be carried out. ○ Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets. 	-/?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR037 A & B Land at Gourdieburn, Potterton		Proposal: 135 homes over 2 areas (FR037A 45 homes and FR037B 90 homes)	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0

Water	0	<ul style="list-style-type: none"> ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Potterton. This is a reversible short-term impact. Network investigations may be required by new developments in Potterton. A growth project will be initiated once development meets Scottish Water's five growth criteria. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity. A Water Impact Assessment may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ SuDS would mitigate any flooding impacts. 	0
Climatic Factors	-/0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. These negative impacts could be mitigated by the promotion of sustainable transport modes and public transport. ○ The site is in an area identified as low/medium risk of flooding, but impacts are likely to be localised. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0/-	<ul style="list-style-type: none"> ○ The Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are located to the north of this site. However, this site is not likely to have an adverse effect on the integrity of geese in terms of them foraging for food on fields. Likewise, increased recreational disturbance to SPAs are likely to have no adverse effect on their integrity. ○ The development may result in the small-scale loss of existing trees, woodland and hedges. ○ The development will enhance biodiversity through SuDS and public open space provision in accordance with the Aberdeenshire Council Parks and Open Space Strategy. 	+/0
Landscape	0	<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include infrastructure and community facilities. Where a need is identified, this negative impact could be mitigated through developer obligations. ○ Affordable housing will be provided in accordance with the LDP policy and the development will need to be a mixture of sustainable housing. 	+
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. Any new developments will be required to accord with the LDP policy, and therefore providing a mixed sustainable community with a minimum of 25% affordable housing. 	+
Human Health	+	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Proposes new public open space in accordance with the Parks and Open Space Strategy hierarchy. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets. ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. 	0

Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect	
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Site Ref: FR104 Land South of Laingseat Road, Potterton		Proposal: 100 Homes and Community Centre	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	0	<ul style="list-style-type: none"> ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Potterton. This is a reversible short-term impact. Network investigations may be required by new developments in Potterton. A growth project will be initiated once development meets Scottish Water’s five growth criteria. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity. A Water Impact Assessment may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, the site is well connected to the settlement and an improved public transport service could help to mitigate this impact. 	-
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction 	0
Biodiversity	-	<ul style="list-style-type: none"> ○ The Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are located to the north of this site. However, this site is not likely to have an adverse effect on the integrity of geese in terms of them foraging for food on fields. Likewise, increased recreational disturbance to SPAs are likely to have no adverse effect on their integrity. ○ Recreational access to the site is actively managed. by the RSPB. SNH advise that there should be no additional pressures from visitors where facilities and visitor management plans are in place. No significant issues from increased public access is foreseen. No significant loss of land for geese foraging or roosting is anticipated. ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development would be able to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. 	0

		<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access and education provision at Balmedie Primary School, which will have a short-term effect. ○ The proposal will lead to significant pressure on local infrastructure. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include infrastructure and community facilities. Any shortfall in such provision created as a result of the development could be mitigated through developer obligations. 	-
Population	+	<ul style="list-style-type: none"> ○ A mix of house types proposed would result in a housing choice for all groups of the population. 	+
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR105 Land East of Manse Road, Potterton		Proposal: 100 homes, employment uses and school site	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	0	<ul style="list-style-type: none"> ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Potterton. This is a reversible short-term impact. Network investigations may be required by new developments in Potterton. A growth project will be initiated once development meets Scottish Water's five growth criteria. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity. A Water Impact Assessment may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0

		<ul style="list-style-type: none"> ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. ○ Some surface water flooding on the site. This can be mitigated by appropriate SuDS. 	
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. These adverse impacts could be mitigated through the promotion of sustainable transport modes and improved public transport services. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are located to the north of this site. However, this site is not likely to have an adverse effect on the integrity of geese in terms of them foraging for food on fields. Likewise, increased recreational disturbance to SPAs are likely to have no adverse effect on their integrity. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. ○ Mitigation measures, such as a buffer strip next to an area of woodland or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. ○ The site is isolated and prominent within the landscape. Careful landscaping would provide mitigation in the long-term ○ The site is in the green belt. 	-
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely education provision at Balmedie Primary School, and the road access which is inadequate for a development of this scale, however, these constraints could be overcome. 	0
Population	+	<ul style="list-style-type: none"> ○ The development would allow integration of people; where they meet and work. Employment opportunity in the village. ○ The proposal would provide a mix of house types providing housing choice for all groups of the population. 	+
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	-	<ul style="list-style-type: none"> ○ The development may weaken the sense of place and the identity of existing settlements. ○ Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets. 	-
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR106 Land East of B999 and North of Potterton, Potterton		Proposal: 100 homes and Business Units	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Potterton. This is a reversible short-term impact. Network investigations may be required by new developments in Potterton. A growth project will be initiated once development meets Scottish Water's five growth criteria. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity. A Water Impact Assessment may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. These are impacts that can be mitigated in the longer term. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. ○ These impacts could be mitigated through the promotion of sustainable transport modes and improved public transport services. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are located to the north of this site. However, this site is not likely to have an adverse effect on the integrity of geese in terms of them foraging for food on fields. Likewise, increased recreational disturbance to SPAs are likely to have no adverse effect on their integrity. ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Biodiversity could be enhanced through the provision of good quality open spaces including natural greenspaces and green corridors. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. ○ This can be considered a fairly significant scale development that would further alter the character of the area. The site is relatively prominent and would alter the landscape on the approach from the north. The impact could be mitigated by strategic landscaping. 	0

Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely education provision at Balmedie School. This could be overcome in the longer term. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include infrastructure and community facilities, and where a shortfall is identified, as a result of the development, these impacts could be mitigated through developer obligations. 	0
Population	+	<ul style="list-style-type: none"> ○ The development would allow integration of people; where they meet and work. Employment opportunity in the village. ○ The proposal would provide a mix of house types providing housing choice for all groups of the population. 	+
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Cultural Heritage	?	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. ○ Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets. ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR120 Land North and South of Gourdie Park Site A, Potterton		Proposal: 435 homes, 750sq meters of Retail Space and land for education / community facilities	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a decrease in air quality, with the effects taking place over a medium to long-term period. ○ The inclusion of retail floor space will create small-scale employment opportunities in the vicinity. Due to the scale it is unlikely this will have a significant impact on air quality (through providing local amenity and employment). ○ A site of this scale is likely to take a number of years to develop – with the bid form stating the site is not likely to be complete for 10+ years. The construction is likely to have a negative impact on air quality over a medium to long-term period, although this would partially abate upon completion of development. 	0
Water	0	<ul style="list-style-type: none"> ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Potterton. This is a reversible short-term impact. Network investigations may be required by new developments in Potterton. A growth project will be initiated once development meets Scottish Water's five growth criteria. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity. A Water Impact Assessment may be required. 	0

		<ul style="list-style-type: none"> ○ The proposal makes provision for suitable buffer strips adjacent to Blackdog Burn along the west of the site, which will mitigate the risk of long-term contamination of the water environment. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	
Climatic Factors	-	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating. ○ The proposal is generally well sited in terms of active travel opportunities, with many amenities and facilities (including bus stops) within 400m – reducing reliance on private modes of transport and reducing CO₂ emissions. ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances for employment, via private transport) and increased emissions. ○ The development site lies out with the known flood extent, and dependent upon the provision of a suitable SuDS scheme would have a neutral impact on flooding. ○ The bid seeks to include renewables in the form of 'technology available at the time of construction' to create an efficient development. The impact of this remains uncertain as the scheme is unknown at this stage. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	+/-	<ul style="list-style-type: none"> ○ The Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are located to the north of this site. However, this site is not likely to have an adverse effect on the integrity of geese in terms of them foraging for food on fields. Likewise, increased recreational disturbance to SPAs are likely to have no adverse effect on their integrity. ○ The development will result in the loss of hedges. ○ Mitigation measures, such as a buffer strip next to a watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. ○ Additional measures to enhance biodiversity have been proposed including bat/bird/insect boxes, native tree planting, wildflower verges and nectar rich species, which would enhance the biodiversity of the area. 	+
Landscape	-	<ul style="list-style-type: none"> ○ In light of the scale and location of the proposal, it would have a localised negative impact on the landscape character and the effect is likely to be long-term. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. 	-
Material Assets	+	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access and education provision at Balmedie Primary School, which will have a temporary effect. ○ The development makes provision of land for a primary school; however, no discussions have taken place with the Education Service to confirm interest in the site. If identified as a suitable site by the Education Service and delivered this would have a significant positive effect, however due to uncertainty the effect is taken as unknown. ○ The development seeks to realign the B999, with a roundabout provided on the northern site – this is likely to have a short to medium-term negative impact on traffic flows, dependent upon the timescale for delivery. Upon delivery this is likely to have an impact upon traffic patterns, however it is not possible to determine whether this is positive or negative at this stage. 	+

		<ul style="list-style-type: none"> ○ The development site contains areas for community facilities, further details are not available. If this addresses a community aspiration or need, this would prove to be a positive long-term effect. ○ The development makes provision for 25% affordable units (or other amount as required by policy) – this would equate to 108 units. This would provide a significant long-term benefit. 	
Population	+	<ul style="list-style-type: none"> ○ The development would provide a range of house types and tenures, suitable for a range of populations. This would have a long-term positive impact on the community. ○ The development would allow integration of people; where they meet and work. Employment opportunity in the village. This would have a long-term positive impact on the community. 	+
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The development would incorporate 40% public open space, providing suitable access for residents of the development. Pathways would link the development to the rest of the settlement, increasing public open space provision – this would have a long-term positive impact on human health. ○ The development is likely to cause a reduction in air quality during construction and due to increased traffic movements post-construction, this is likely to have a long-term negative impact on human health. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing, which shall have a long-term positive impact. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR121 Land North of Gourdie Park (Site B), Potterton		Proposal: 109 homes, 750sq meters of Retail Space and land for education / community facilities	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a decrease in air quality, with the effects taking place over a medium to long-term period. ○ The inclusion of retail floor space will create small-scale employment opportunities in the vicinity, due to the scale it is unlikely this will have a significant impact on air quality (through providing local amenity and employment). ○ A site of this scale is likely to take a number of years to develop – with the bid form stating the site is not likely to be complete for 5+ years. The construction is likely to have a negative impact on air quality over a medium to long-term period, although this would partially abate upon completion of development. 	0

Water	0	<ul style="list-style-type: none"> ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Potterton. This is a reversible short-term impact. Network investigations may be required by new developments in Potterton. A growth project will be initiated once development meets Scottish Water's five growth criteria. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity. A Water Impact Assessment may be required. ○ The proposal makes provision for suitable buffer strips adjacent to Blackdog Burn along the west of the site, which will mitigate the risk of long-term contamination of the water environment. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating. ○ The proposal is generally well sited in terms of active travel opportunities, with many amenities and facilities (including bus stops) within 400m – reducing reliance on private modes of transport and reducing CO₂ emissions. ○ The development site lies out with the known flood extent, and dependent upon the provision of a suitable SuDS scheme would have a neutral impact on flooding. ○ The bid seeks to include renewables in the form of 'technology available at the time of construction' to create an efficient development. The impact of this remains uncertain as the scheme is unknown at this stage. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	+/-	<ul style="list-style-type: none"> ○ The Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are located to the north of this site. However, this site is not likely to have an adverse effect on the integrity of geese in terms of them foraging for food on fields. Likewise, increased recreational disturbance to SPAs are likely to have no adverse effect on their integrity. ○ The development will result in the loss of hedges. ○ Mitigation measures, such as a buffer strip next to a watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. ○ Additional measures to enhance biodiversity have been proposed including bat/bird/insect boxes, native tree planting, wildflower verges and nectar rich species, which would enhance the biodiversity of the area. 	+
Landscape	-	<ul style="list-style-type: none"> ○ In light of the scale and location of the proposal, it would have a localised negative impact on the landscape character and the effect is likely to be long-term. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. 	-
Material Assets	+	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access and education provision at Balmedie Primary School, which will have a temporary effect. ○ The development makes provision of land for a primary school; however, no discussions have taken place with the Education Service to confirm interest in the site. If identified as a suitable site by the Education Service and delivered this would have a significant positive effect, however due to uncertainty the effect is taken as unknown. 	+

		<ul style="list-style-type: none"> ○ The development seeks to realign the B999, with a roundabout provided on the northern site – this is likely to have a short to medium-term negative impact on traffic flows, dependent upon the timescale for delivery. Upon delivery this is likely to have an impact upon traffic patterns, however it is not possible to determine whether this is positive or negative at this stage. ○ The development site contains areas for community facilities, further details are not available. If this addresses a community aspiration or need, this would prove to be a positive long-term effect. ○ The development makes provision for 25% affordable units (or other amount as required by policy) – this would equate to 108 units. This would provide a significant long-term benefit. 	
Population	+	<ul style="list-style-type: none"> ○ The development would provide a range of house types and tenures, suitable for a range of populations. This would have a long-term positive impact on the community. ○ The development would allow integration of people; where they meet and work. Employment opportunity in the village. This would have a long-term positive impact on the community. 	+
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The development would incorporate 40% public open space, providing suitable access for residents of the development. Pathways would link the development to the rest of the settlement, increasing public open space provision – this would have a long-term positive impact on human health. ○ The development is likely to cause a reduction in air quality during construction and due to increased traffic movements post-construction, this is likely to have a long-term negative impact on human health. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing, which shall have a long-term positive impact. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR122 Land North of Gourdie Park (Site C), Potterton		Proposal: 185 Homes, 750sq metres of Retail Space and land for education/community facilities	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a decrease in air quality, with the effects taking place over a medium to long-term period. ○ The inclusion of retail floor space will create small-scale employment opportunities in the vicinity, due to the scale it is unlikely this will have a significant impact on air quality (through providing local amenity and employment). 	0

		<ul style="list-style-type: none"> ○ A site of this scale is likely to take a number of years to develop – with the bid form stating the site is not likely to be complete for 5+ years. The construction is likely to have a negative impact on air quality over a medium to long-term period, although this would partially abate upon completion of development. 	
Water	0	<ul style="list-style-type: none"> ○ There is insufficient capacity at Balmedie WWTW. A potential growth project is currently under investigation for Balmedie WWTW and this will consider Potterton. This is a reversible short-term impact. Network investigations may be required by new developments in Potterton. A growth project will be initiated once development meets Scottish Water's five growth criteria. ○ Invercarnie, Mannofield and Turriff WTW has sufficient capacity. A Water Impact Assessment may be required. ○ The proposal makes provision for suitable buffer strips adjacent to Blackdog Burn along the west of the site, which will mitigate the risk of long-term contamination of the water environment. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating. ○ The proposal is generally well sited in terms of active travel opportunities, with many amenities and facilities (including bus stops) within 400m – reducing reliance on private modes of transport and reducing CO₂ emissions. ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances for employment, via private transport) and increased emissions. ○ The development site lies out with the known flood extent, and dependent upon the provision of a suitable SuDS scheme would have a neutral impact on flooding. ○ The bid seeks to include renewables in the form of 'technology available at the time of construction' to create an efficient development. The impact of this remains uncertain as the scheme is unknown at this stage. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	+/-	<ul style="list-style-type: none"> ○ The Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are located to the north of this site. However, this site is not likely to have an adverse effect on the integrity of geese in terms of them foraging for food on fields. Likewise, increased recreational disturbance to SPAs are likely to have no adverse effect on their integrity. ○ The development will result in the loss of hedges. ○ Mitigation measures, such as a buffer strip next to a watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. ○ Additional measures to enhance biodiversity have been proposed including bat/bird/insect boxes, native tree planting, wildflower verges and nectar rich species, which would enhance the biodiversity of the area. 	+
Landscape	-	<ul style="list-style-type: none"> ○ In light of the scale and location of the proposal, it would have a localised negative impact on the landscape character and the effect is likely to be long-term. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. 	-

Material Assets	+	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access and education provision at Balmedie Primary School, which will have a temporary effect. ○ The development makes provision of land for a primary school; however, no discussions have taken place with the Education Service to confirm interest in the site. If identified as a suitable site by the Education Service and delivered this would have a significant positive effect, however due to uncertainty the effect is taken as unknown. ○ The development seeks to realign the B999, with a roundabout provided on the northern site – this is likely to have a short to medium-term negative impact on traffic flows, dependent upon the timescale for delivery. Upon delivery this is likely to have an impact upon traffic patterns, however it is not possible to determine whether this is positive or negative at this stage. ○ The development site contains areas for community facilities, further details are not available. If this addresses a community aspiration or need, this would prove to be a positive long-term effect. ○ The development makes provision for 25% affordable units (or other amount as required by policy) – this would equate to 108 units. This would provide a significant long-term benefit. 	+
Population	+	<ul style="list-style-type: none"> ○ The development would provide a range of house types and tenures, suitable for a range of populations. This would have a long-term positive impact on the community. ○ The development would allow integration of people; where they meet and work. Employment opportunity in the village. This would have a long-term positive impact on the community. 	+
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The development would incorporate 40% public open space, providing suitable access for residents of the development. Pathways would link the development to the rest of the settlement, increasing public open space provision – this would have a long-term positive impact on human health. ○ The development is likely to cause a reduction in air quality during construction and due to increased traffic movements post-construction, this is likely to have a long-term negative impact on human health. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing, which shall have a long-term positive impact. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR123 Land at Wester Hatton, East of Potterton		Proposal: Roadside services including hotel, convenience retail provision and future business uses.	
SEA Topics	Effect	Comments	Effect – post mitigation
		Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a significant decrease in air quality (i.e. through increases in concentrations of air pollutants) if it is for industrial use, i.e. energy generation from biomass or waste. Effects are likely to be medium/long-term. 	-
Water	--	<ul style="list-style-type: none"> ○ The proposal is likely to have a significant negative effect as it will exceed public sewage treatment capacity in the area. Effects are likely to be localised and long-term, however the negative impacts could be mitigated through developer obligations and a Scottish Water growth project. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The site is within an area identified as low flood risk. Impacts are likely to be localised and medium/long-term. ○ A proposal on this scale has potential to cause an increase in concentrations of CO₂ emissions through increased car travel. Effects are likely to be medium-term. 	-
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	+	<ul style="list-style-type: none"> ○ The Ythan Estuary, Sands of Forvie and Meikle Loch SPA and Sands of Forvie SAC are located to the north of this site. However, this site is not likely to have an adverse effect on the integrity of geese in terms of them foraging for food on fields. Likewise, increased recreational disturbance to SPAs are likely to have no adverse effect on their integrity. ○ The proposal will have a positive effect if it proposes to maintain and enhance existing habitat connectivity (i.e. green networks) and/or create new connections. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The proposal is of a scale or in a location which is unlikely to have any effect on landscape quality. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The proposal could have a positive effect through provision of transportation infrastructure. ○ The proposal will have negative effects on existing infrastructure as it is of a scale which increases the pressure on the sewage network. ○ The proposal will have a positive effect as it is located in vacant or derelict land and will contribute to its redevelopment. 	+
Population	0	<ul style="list-style-type: none"> ○ There would be no impact on populations. 	0
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effect on existing pathways or access to open space. ○ The population is not at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ There is potential for an adverse impact on Scheduled monument The Temple Stones, stone circle northeast of Potterton House. An assessment on its setting will be required as part of an EIA. 	--/?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

RASHIERIEVE FOVERAN

Preferred Sites

Site Ref: OP1 (FR129) Land west of Rashierieve Cottages		Proposal: 8 live/work residential units	
SEA Topics	Effect	Comments	Effect – post mitigation
		<p>Effects should be assessed in terms of</p> <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	0	<ul style="list-style-type: none"> ○ An individual development of this scale is unlikely to have any effect on air quality. 	0
Water	0	<ul style="list-style-type: none"> ○ There is no public Waste Water Treatment Works in Rashierieve. The nearest public treatment is in Foveran (1.5km away), where a growth project has been initiated. If any new development wishes to use private treatment SEPA will need to be consulted and full authorisation and relevant licensing sought. The preference would be for a single adoptable WWTW serving the OP1 site with the capacity for SR1 to connect at a future date. ○ Due to the presence of a watercourse, a Flood Risk Assessment may be required and a buffer strip will be required. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development size and location mean it is unlikely to have any significant effect either on or from climatic factors. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	-
Biodiversity	+	<ul style="list-style-type: none"> ○ The development of the site is unlikely to have a long-term adverse impact on biodiversity and the improvement to the riparian area could have minor beneficial effects on biodiversity. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced but given the low sensitivity of the landscape this is not considered to be significant. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure. 	0
Population	0	<ul style="list-style-type: none"> ○ The proposal is specific but could provide employment opportunities, overall the location of the site would neither lead to significant effects on local populations either positively or negatively. 	0
Human Health	0	<ul style="list-style-type: none"> ○ There would be no material change to human health. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

None.

ROTHIENORMAN

Preferred Sites

Site Ref: OP1 (FR026) Site to west of Blackford Avenue		Proposal: 12 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ There is limited capacity at Rothienorman Waste Water Treatment Works. Potential growth project under investigation. DIA required. This is a reversible short-term impact. ○ Whilst the proposed development is in close proximity to a watercourse, there would be no impacts arising as a result. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The proposed development is unlikely to have any significant climatic effects. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ However, the site is a logical extension to the settlement in terms of proximity to services and meeting housing needs. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development proposes biodiversity enhancements. 	0
Landscape	0	<ul style="list-style-type: none"> ○ Given that over a long-term, what gets developed becomes part of the landscape, any effects are only likely to be medium-term. 	0
Material Assets	+/?	<ul style="list-style-type: none"> ○ There are infrastructure constraints associated with the site, namely WWTW and education provision at Rothienorman Primary School and Meldrum Academy which will have a temporary effect and is subject to consultation with relevant infrastructure providers to identify mitigation measures. If allocated, the Settlement Statement will specify how to mitigate against these effects. 	+/-
Population	+/0	<ul style="list-style-type: none"> ○ A good mix of house types is proposed resulting in housing choice for all groups of the population. ○ 100% affordable housing proposal. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ The development promotes active travel opportunities. 	0

Cultural Heritage	0	○ Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP2 (FR056) Site West of Forgue Road		Proposal: 1.5 ha Employment Land	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ The development of employment land is likely to worsen air quality, if that development is for heavy and chemical processing. ○ Biomass/quarrying, etc, could worsen air quality in the area. ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects, but this is unknown. 	0/?
Water	-	<ul style="list-style-type: none"> ○ Rothienorman WWTW has capacity for this area. The demand for water and wastewater capacity will depend on the business use. Early engagement with Scottish Water is encouraged. ○ The development of employment land could worsen air quality depending on developments coming forward. The impact would be controlled through development management procedures. ○ Due to the presence of a watercourse and adjacent flood risk, a Flood Risk Assessment may be required and a buffer strip will be required. 	0/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, site water budgets, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have long-term irreversible adverse impacts on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ However, biodiversity enhancements are proposed by the development. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. 	+

		o Consultation with relevant infrastructure provider for WWTW will be required to identify mitigation measures.	
Population	0	o The development would allow integration of people; where they live and work. Employment opportunity in the village.	0
Human Health	0	o The development would not result in the loss of open space/core paths.	0
Cultural Heritage	0	o The development of the site is unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative sites

Site Ref: FR033 Adjacent to Blackford Avenue, Rothienorman		Proposal: 40 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o A proposal of this scale is unlikely to have any effect on air quality. o For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	--	o There is available capacity at Rothienorman WWTW. Potential growth project under investigation. DIA required. This is a reversible short-term impact. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. o The proposed development on a greenfield site is near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is moderate. Impacts may be long-term in duration.	-/?
Climatic Factors	0	o A small part of the site is within an area identified as low flood risk. Impacts are likely to be neutral due to the landscaping proposed (a buffer strip along the watercourse on the southern boundary). o A proposal on this scale is unlikely to have any effect on CO ₂ emissions.	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0

Biodiversity	+	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation. ○ The proposal would have a positive effect as it conserves, protects and/or enhances significant species/habitat and maintains or enhances existing habitat connectivity (i.e. green networks) and creates new connections. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term effects. ○ The proposal is of a scale or in a location which is unlikely to have any effect on landscape quality. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will have negative effects on existing infrastructure, particularly waste water treatment and education. These issues would have to be resolved before development could commence. Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	0/?
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. However, proposals must accord with the design policies in the LDP and include a mix of house types. 	+/?
Human Health	0	<ul style="list-style-type: none"> ○ Development would result in improved access to existing open space (i.e. new path). ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development is unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR112 Land adjacent to Drumsinnie Drive, Rothienorman		Proposal: 15 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	--	<ul style="list-style-type: none"> ○ There is available capacity at Rothienorman WWTW. Potential growth project under investigation. DIA required. This is a reversible short-term impact. 	0/?

		<ul style="list-style-type: none"> ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is moderate. ○ The effect on the water environment also depends on: potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. It is not anticipated there will be long-term impact. 	
Climatic Factors	0	<ul style="list-style-type: none"> ○ A development of this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	0/?	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development is likely to result in remediation of contaminated soil. 	0/?
Biodiversity	0/-	<ul style="list-style-type: none"> ○ The development of a former quarry site could have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Biodiversity enhancements are proposed. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access, waste water treatment and education provision at Oldmeldrum Academy and Rothienorman Primary (the latter has capacity for 15 units, but not for a higher density of 40 homes), which will have a temporary affect. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	0/?
Population	+	<ul style="list-style-type: none"> ○ A reasonable mix of house types is proposed resulting in a housing choice for all groups of the population. 	+/0
Human Health	+	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths – new path network links and active travel would be promoted by this development. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment: although, the quarry site is listed as an archaeological site of local interest on the southwest corner, there will be no impact. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

ST KATHERINES

Preferred Sites

None

Alternative sites

Site Ref: PLDP 2020 OP2 (FR098) Land North of St Katherines		Proposal: 35 homes and 1ha of employment land	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> ○ The development of employment land is likely to worsen air quality if the development is for heavy and chemical processing. ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ The WWTW is not available for this area. SEPA would need to be consulted and full authorisation sought for relevant licensing of private treatment, although SEPA's preferred solution is for a single WWTP serving all properties built to adoptable standards. This is a reversible short-term impact. ○ There is currently sufficient capacity at Turriff WTW. Development will connect directly to trunk main. 24-hour storage will be required. Mains extension required. Early engagement with SW is advised. This is a reversible short-term impact. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	-/0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions, although its scale lessens this impact. 	-/0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	+	<ul style="list-style-type: none"> ○ Mitigation measures, such as well-designed open space that enhances biodiversity (e.g. green corridors) could mitigate against any adverse effects of the development. 	+
Landscape	-	<ul style="list-style-type: none"> ○ The proposed site would be a significant extension to the village and would effectively double its size. The site is exposed and would require significant landscaping to the north to mitigate effects. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. 	-

		<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include infrastructure and community facilities. 	0
Population	+	<ul style="list-style-type: none"> ○ The development would allow integration of people; where they meet and work. Employment opportunity in the village. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR091 Site West of Gateside, Lambhill, St Katherines		Proposal: 8 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ The WWTW is not available for this area. SEPA would need to be consulted and full authorisation sought for relevant licensing of private treatment, although SEPA's preferred solution is for a single WWTP serving all properties built to adoptable standards. This is a reversible short-term impact. ○ There is currently sufficient capacity at Turriff WTW. Development will connect directly to trunk main. 24-hour storage will be required. Mains extension required. Early engagement with SW is advised. This is a reversible short-term impact. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions, although its scale reduces its impact. Due to the location of the proposal this is unlikely to be mitigatable. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. 	0

Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ These impacts could potentially be mitigated through good landscape design. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include infrastructure and community facilities. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. This will be mitigated as all applications should comply with the LDP policies that stipulate sustainable mixed housing with a minimum of 25% affordable housing. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

TARVES

Preferred Sites

Site Ref: OP3 (FR058) Land at Braiklay Croft, Tarves		Proposal: 19 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	0	<ul style="list-style-type: none"> ○ There is limited capacity at Tarves WWTW. A growth project will be required once developments meets Scottish Water's growth criteria. DIA will be required. This is a reversible short-term impact. ○ Turriff WTW has capacity. Local mains reinforcement may be required depending on the outcome of a WIA. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ There is a small area of flood risk at the southeast of the site and any potential risks should be mitigated during the development. A Flood Risk Assessment may be required and SUDS. 	0
Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ Prime agricultural land is found within the proposed site. It will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	--
Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. There impacts could be mitigated by providing good quality open space as part of the development including those that enhance biodiversity and habitats such as green corridors and semi-natural spaces. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0

Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely education provision at Tarves Primary School and Meldrum Academy. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. <p>Pressure on existing community facilities and infrastructure could be mitigated (where a need is identified) through developer obligations.</p>	0
Population	+/0	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in housing choice for all groups of the population. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ No impact on cultural heritage. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR009 Land North of Bain's Park, Tarves		Proposal: 10 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	0	<ul style="list-style-type: none"> ○ There is limited capacity at Tarves WWTW. A growth project will be required once developments meets Scottish Water's growth criteria. DIA will be required. This is a reversible short-term impact. ○ Turriff WTW has capacity. Local mains reinforcement may be required depending on the outcome of a WIA. ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. There is a small area of the site at risk of surface water flooding, this could be mitigated by a SuDS system. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ Part of the site is at risk of surface water flooding, however it is proposed that this would be mitigated through a SuDS system. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. This short-term negative impact is mitigated by the remediation of a brownfield site. 	0

Biodiversity	+	o The development will enhance biodiversity through redevelopment of brownfield land.	+
Landscape	0	o Unlikely to cause significant effects.	0
Material Assets	+	o The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include infrastructure and community facilities. Where a need is identified any additional pressure on this infrastructure would be mitigated through developer obligations.	+
Population	+/0	o A mix of house types is proposed resulting in housing choice for all groups of the population.	+/0
Human Health	0	o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing.	0
Cultural Heritage	0	o No impact on cultural heritage.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR002 Land South of Tarves, Tarves		Proposal: 200 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	o A proposal of this size will lead to a decrease in air quality due to it being detached from the settlement and will therefore encourage unsustainable modes of transport. The community council have reported that the bus service is unreliable and timetabled at inconvenient times for commuting, so public transport is not viewed as being a viable mitigation measure.	-
Water	-	o There is limited capacity at Tarves WWTW. A growth project will be required once developments meets Scottish Water's growth criteria. DIA will be required. This is a reversible short-term impact. o Turriff WTW has capacity. Local mains reinforcement may be required depending on the outcome of a WIA. o Some localised impacts on watercourses on the South and Southeast boundary would occur during the development phase of this site i.e. change in water table, stream flows, site water budgets, silt deposition and water-borne pollution. The impact is likely to be short-term. o The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. o A buffer strip would be required to mitigate against any effects. If allocated, the development requirements of the opportunity site would include a statement, e.g. "A buffer strip will be required adjacent to the watercourse/name of watercourse and should/will be integrated as positive feature of the development."	0

Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. This could potentially be mitigated through improved public transport measures, the addition of core paths and cycle routes and promotion of sustainable transport modes such as low emission cars. 	-
Soil	--	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ Prime agricultural land is found within the proposed site. It will result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	--
Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Mitigation measures, such as compensatory planting would reduce potential negative effects and provide biodiversity enhancement opportunities to mitigate for the loss of prime agricultural land. If the site is allocated, the need for compensatory planting and/or a buffer strip will be stated as part of the development requirements for the site, <u>however this does not mitigate the loss of prime agricultural land</u>. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	-
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structures will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	-
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely WWTW, road capacity and educational capacity, both at Tarves Primary School and Meldrum Academy, which will have a long-term effect. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	-
Population	+	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in housing choice for all groups of the population. 	+
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ No impact on cultural heritage. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

TIPPERTY

Preferred Sites

Site Ref: OP1 (FR071) Site 1 Land East of Tipperty Industrial Estate		Proposal: 0.76ha employment land	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, the proposal is small scale (under 2ha), and whilst industrial/commercial in nature, the impacts are not likely to be significant, particularly in the context of the A90 being dualled and the potential impacts that will have on air quality. 	0
Water	0/-	<ul style="list-style-type: none"> ○ There is no suitable WWTW in Tipperty. If allocated the settlement statement will encourage early engagement with SEPA and Scottish Water ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development is in an area identified as low flood risk (surface water) and it could have a short-term effect on climate and the water environment. It is expected that this could be managed on site through SuDS and a Flood Risk Assessment will be required. ○ As a small-scale development there is unlikely to be significant CO₂ impacts. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development will enhance biodiversity through redevelopment of brownfield land (site partially brownfield). ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. ○ Small-scale biodiversity enhancements are proposed. 	0/+
Landscape	0	<ul style="list-style-type: none"> ○ It would appear as an extension to an existing industrial/employment site, adjacent to a main trunk road. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The proposal is not expected to lead to any significant pressure on local infrastructure, however WWTW requires confirmation. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	+

		<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. It is expected that access would be achieved from the A90 through an existing employment site, and the proposal would be an extension to the established BUS site. ○ The site is well connected to an existing settlement with easy transport links to Ellon and beyond. 	
Population	0	<ul style="list-style-type: none"> ○ The development would allow integration of people; where they live and work. Employment opportunity in the village. 	0
Human Health	-	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths, and it would not impact on air quality or the general environment/sense of place. ○ The development is within the Health and Safety Executive outer and middle pipeline consultation zones: the pipeline is out with the site and from the information available it is not expected that this would constrain the proposed development, but it is subject to satisfying HSE requirements. 	?
Cultural Heritage	-	<ul style="list-style-type: none"> ○ The development is on a former tile works site which is SMR listed but not a regionally significant site. The development is likely to provide benefits in terms of brownfield development and the impact on an historic site is minimal. 	-/0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP2 (FR070) Land to the South of Tippetry Industrial Estate, Tippetry		Proposal: 0.73ha Employment land (PLDP 2020 was 1.7ha)	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, the proposal is small-scale (under 2ha), whilst industrial/commercial in nature, the impacts are not likely to be significant, particularly in the context of the A90 being dualled and the potential impacts that will have on air quality. 	0
Water	-	<ul style="list-style-type: none"> ○ There is no suitable WWTW in Tippetry. If allocated the settlement statement will encourage early engagement with SEPA and Scottish Water ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The site is adjacent to a watercourse (Tarty Burn) and a buffer strip would be required to mitigate against any effects and if allocated, this mitigation would be stated as part of the development requirements of the opportunity site. 	-/0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development is in an area identified as low flood risk (fluvial) and it could have a medium-term effect on climate and the water environment. This could be mitigated through a Flood Risk Assessment (FRA), and if allocated, the development requirements for the site would state that a FRA will be required. ○ As a small-scale development, there is unlikely to be significant CO₂ impacts. 	-/0

Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Mitigation measures, such as a buffer strip next to a watercourse to the south would reduce potential negative effects and provide biodiversity enhancement opportunities. A range of other biodiversity measures are also proposed. If the site is allocated, the need for a buffer strip will be stated as part of the development requirements for the site. ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. 	0/+
Landscape	0	<ul style="list-style-type: none"> ○ It would appear as an extension to an existing industrial/employment site, adjacent to a main trunk road. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The proposal is not expected to lead to any significant pressure on local infrastructure. Although, the WWTW needs confirmation. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. It is expected that access would be achieved from the A90 through an existing employment site, and the proposal would be an extension to the established BUS site. ○ The site is well connected to an existing settlement with easy transport links to Ellon and beyond. 	+
Population	+	<ul style="list-style-type: none"> ○ The development would allow integration of people; where they live and work. Employment opportunity in the village. 	+
Human Health	-	<ul style="list-style-type: none"> ○ The development would not result in the loss of open space/core paths, and would not impact on air quality or the general environment/sense of place. ○ The development is within Health and Safety Executive outer and middle pipeline consultation zones: the pipeline is out with the site and from the information available it is not expected that this would constrain the proposed development, but the development is subject to satisfying HSE requirements. 	?
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR044, Bridgend, Tippetry		Proposal: 2 homes	
SEA Topics	Effect	Comments	Effect – post mitigation
		<p>Effects should be assessed in terms of</p> <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	0	<ul style="list-style-type: none"> ○ The site will lead to car dependency due to the distance from key services, leading to increased CO₂ emissions. However, due to the scale of the development, air quality is likely to have short-term insignificant effects. 	0
Water	-/?	<ul style="list-style-type: none"> ○ There is no suitable WWTW in Tippetry. If allocated the settlement statement will encourage early engagement with SEPA and Scottish Water. Septic tanks are proposed, but this needs to be confirmed. This is a reversible short-term impact. 	-/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ The site has no land at flood risk. ○ Proposals of this scale are unlikely to have any effect on CO₂ emissions. 	0
Soil	0/-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ Prime agricultural land would be lost as a result of this development. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. This is a limited resource and cannot be replaced. No intervention is available to mitigate against this loss, however, the loss is minimal. 	0/-
Biodiversity	0	<ul style="list-style-type: none"> ○ Ythan Estuary, Sands of Forvie and Meikle Loch SPA is set close to the site. The development could have an effect indirectly through drainage, visitor pressure, impact of geese grazing grounds. ○ However, the proposal would be unlikely to negatively affect a nature conservation site or wider biodiversity. ○ The potential for biodiversity enhancement is minimal due to the scale of the development. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. ○ The setting of the village may be impacted upon from the south (the site is adjacent to an area protected to conserve the landscape setting of the settlement and open space). Landscape mitigation measures such as strategic planting would not be applicable on such a small-scale development. 	-
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will lead to pressure on local infrastructure, notably WWTW, this requires confirmation and there are road and foot access issues. ○ Access to south bound public transport is not possible without significant risk. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ There are no localised services and facilities to sustain. 	0

Population	-	<ul style="list-style-type: none"> o No mix of house types is proposed resulting in a limited housing choice for all groups of the population. o There is potential for negative cumulative effects on the variety of house types, as only two detached houses are proposed in the countryside and there are other similar-sized single houses adjacent or nearby. 	-
Human Health	?	<ul style="list-style-type: none"> o The development of the site is unlikely to have any significant effects on existing pathways or access to open space. o The population is not at risk from hazardous developments. o The site is within the HSE consultation zone. The development would need to comply with HSE requirements. 	0/?
Cultural Heritage	0	<ul style="list-style-type: none"> o The development is unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR045, Bridgend, Tippetty		Proposal: 1 home	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> o The site will lead to car dependency due to the distance from key services, leading to increased CO₂ emissions. However, due to the scale of the development, air quality is likely to have short-term insignificant effects. 	0
Water	-/?	<ul style="list-style-type: none"> o There is no suitable WWTW in Tippetty. If allocated the settlement statement will encourage early engagement with SEPA and Scottish Water. Septic tanks are proposed, but this needs to be confirmed. This is a reversible short-term impact. 	-/?
Climatic Factors	0	<ul style="list-style-type: none"> o The site has no land at flood risk. o Proposals of this scale are unlikely to have any effect on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> o The proposal would be unlikely to negatively affect a nature conservation site or wider biodiversity. o A range of biodiversity enhancements are proposed but the impact would be minimal due to the scale of the development. 	0
Landscape	-	<ul style="list-style-type: none"> o The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. o However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. o The setting of the village may be impacted upon from the south (site is adjacent to an area protected to conserve the landscape setting of the settlement and open space). Landscape mitigation measures such as strategic planting would not be applicable on such a small-scale development. 	-

Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will lead to pressure on local infrastructure. Notably, WWTW, this requires confirmation and there are road and foot access issues. ○ Access to south bound public transport is not possible without significant risk. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ There are no localised services and facilities to sustain. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. ○ There is potential for negative cumulative effects on the variety of house types, as only one detached house is proposed in the countryside and there are other similar-sized single houses adjacent or nearby. 	-
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. ○ The population is not at risk from hazardous developments. ○ The site is within the HSE consultation zone. The development would need to comply with HSE requirements. 	0/?
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development is unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR072 Site 2 Land East of Tipperty Industrial Estate Tipperty		Proposal: Leisure & tourism	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> ○ Potential traffic generation through visitors/users of the site - for the most part, air quality is likely to decrease. There are no measures available to mitigate against this effect. 	-
Water	-	<ul style="list-style-type: none"> ○ There is no suitable WWTW in Tipperty. If allocated the settlement statement will encourage early engagement with SEPA and Scottish Water. This is a reversible short-term impact. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The site is adjacent to a watercourse (Tarty Burn) and a buffer strip would be required to mitigate against any effects. If allocated, this mitigation would be stated as part of the development requirements of the opportunity site, and that it should be integrated as a positive feature of the site. A FRA may also be required. 	-/0
Climatic Factors	-	<ul style="list-style-type: none"> ○ High likelihood of increased CO₂ emissions due to increased vehicular movements due to the nature of the development. 	-/0

		<ul style="list-style-type: none"> ○ The development is in an area identified as low flood risk for fluvial with some surface water flooding, and it could have a medium-term effect on climate and the water environment. This could be mitigated by ensuring the flood risk area is included as part of the open space provision. A Flood Risk Assessment (FRA) may also be required. If allocated, these mitigations would be stated as part of the development requirements for the site. 	
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction. 	0
Biodiversity	+	<ul style="list-style-type: none"> ○ The development could enhance biodiversity ○ Mitigation measures, such as a buffer strip next to a watercourse could reduce potential negative effects and provide biodiversity enhancement opportunities. ○ The nature of the proposal being tourism/leisure signalling intention for outdoor pursuits, presents an opportunity for enhancements to landscape and habitat creation. 	+
Landscape	+/?	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. Although the site is not overly prominent or in a sensitive area, the impact depends on the level of development and final site design. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are relatively minor, and the nature of the proposal could potentially enhance the local landscape and encourage active engagement with the land. 	?
Material Assets	+	<ul style="list-style-type: none"> ○ The proposal may add pressure on local infrastructure, notably roads, and WWTW requires confirmation. Road access would likely need a significant upgrade to cope with the volume of traffic associated with proposed use of the site. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. It is expected that access would be achieved from the A90 through an existing employment site, and the proposal would be an extension to the established BUS site. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The site is well connected to an existing settlement with easy transport links to Ellon and beyond. ○ Potential positive impacts from recreation/leisure pursuits and habitat enhancement, diversifying the mix of land uses within the settlement 	+
Population	+	<ul style="list-style-type: none"> ○ The development would allow integration of people; where they meet, play and work. A recreational opportunity in the village, and wider region. 	0
Human Health	+/-	<ul style="list-style-type: none"> ○ Development would not result in the loss of open space/core paths, and not impact on air quality or the general environment/sense of place, and development is expected to enhance open space provision. ○ Development is within the Health and Safety Executive outer and middle pipeline consultation zones: the pipeline is out with the site and from the information available, it is anticipated that this development would not satisfy HSE requirements. 	+/-
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

TURRIFF

Preferred Sites

Site Ref: OP1 (FR078) Adjacent to Wood of Delgaty		Proposal: 450 homes, 10 ha employment land, commercial land and community facilities	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-/0	<ul style="list-style-type: none"> ○ While developments of this scale are likely to affect air quality, Turriff's air quality is not a significant issue, and a possible distributor road is safeguarded. The site is next to a frequent bus service. 	0/-
Water	--	<ul style="list-style-type: none"> ○ There is currently insufficient capacity available at Turriff WWTW to meet the demands of all development allocated in the LDP. Scottish Water would be required to initiate a growth project once development meets their five growth criteria. Impacts are likely to be localised and medium/long-term. DIA will be required. ○ There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. 	0
Climatic Factors	-/0	<ul style="list-style-type: none"> ○ The site contains very small areas of flooding, but it is unlikely to have any effect on CO₂ emissions. The site is next to a frequent bus service and a mix of uses are proposed that would mitigate effects. A Flood Risk Assessment will be required due to the presence of watercourses through the site. 	-/0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	--	<ul style="list-style-type: none"> ○ Troup, Pennan and Lion's Heads is set to the north. The development would have an effect indirectly through drainage. Provision of change with no or minimal effects. ○ The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development could result in the partial loss of ancient woodland, and compensatory planting pursued to account for any trees removed. New footpaths are proposed through it. 	--/?
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. Due to the proximity to town, these will be long-term but insignificant. ○ The landscape will undoubtedly be affected due to the sale of the development. However, extensive landscaping is proposed to mitigate effects in the long-term. 	0
Material Assets	-/+	<ul style="list-style-type: none"> ○ The proposal could lead to a significant increase in pressure on local infrastructure due to the scale of the development proposed. This would be mitigated through the provision of required community infrastructure via developer obligations. 	+

Population	+	<ul style="list-style-type: none"> ○ The development would allow integration of people; where they meet and work. Employment opportunity in the village. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+
Human Health	+	<ul style="list-style-type: none"> ○ Development of the site is likely to have positive effects by creating new pathways and open space, and enhancing the core path network. 	+
Cultural Heritage	-	<ul style="list-style-type: none"> ○ The site includes the remains of a possible ring cairn, comprising a patch of stones with a very slight hollow. Effects could be mitigated by requesting an archaeology survey. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP4 (PLDP 2020 OP5) (FR001) South of Colly Stripe, Smiddyseat Road		Proposal: 27 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ There is currently insufficient capacity available at Turriff WWTW to meet the demands of all development allocated in the LDP. Scottish Water would be required to initiate a growth project once development meets their five growth criteria. Impacts are likely to be localised and short/medium-term. ○ There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The site has a watercourse to the north and west, and a buffer strip would be required to mitigate against any effects. If allocated, the development requirements of the opportunity site would include a statement, e.g. "A buffer strip will be required adjacent to the watercourse/name of watercourse and should/will be integrated as a positive feature of the development." ○ The effect on the water environment also depends on; potential deterioration of a waterbody; the extent to which the allocation is at risk from flooding; and the extent to which the allocation connects to the public sewage infrastructure. ○ With the information on the quality of water around the site, the effects could be significant in the longer term. 	+
Climatic Factors	-	<ul style="list-style-type: none"> ○ The northwest part of the development is in an area identified as medium to high risk of surface water flooding. ○ This could be mitigated through a Flood Risk Assessment (FRA), and if allocated, the development requirements for the site would state that a FRA may or will be required. 	0

		o For a development of this scale there would be minimal CO ₂ emissions from general heating and travel.	
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0
Biodiversity	-	o The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. o Mitigation measures, such as a buffer strip next to the Colly Stripe or watercourse would reduce potential negative effects and provide biodiversity enhancement opportunities. If the site is allocated, the need for a buffer strip will be stated as part of the development requirements for the site.	+
Landscape	0	o The development fits well within the settlement and is unlikely to have any negative impacts on the landscape quality.	0
Material Assets	-	o There is WWTW capacity for 10 homes, so if the number of homes is increased, the WWTW capacity would need to be provided to accommodate this. o There is adequate educational provision. o The primary school is capable of being extended and this could be mitigated through developer obligations.	0
Population	+/0	o The proposal includes 30% affordable housing which is more than the required amount in the LDP.	+/0
Human Health	0	o This would not result in the loss of open space/core paths. o The development is unlikely to have any significant effects on existing pathways or access to open space. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing.	0
Cultural Heritage	-	o Part of the proposed site is the SMR (NJ74NW0071 – Colly Stripe Crop Marks). o Archaeology should be consulted about the layout of the development and careful design could mitigate any negative impacts on the SMR. If allocated, this will be stated in the development requirements for the site.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: OP5 (PLDP 2020 OP6) (FR086) Land North of Cornfield Road		40 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	o For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0

Water	-	<ul style="list-style-type: none"> ○ There is currently insufficient capacity available at Turriff WWTW to meet the demands of all development allocated in the LDP. Scottish Water would be required to initiate a growth project once development meets their five growth criteria. Impacts are likely to be localised and short/medium-term. ○ There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The proposal is unlikely to have any significant impact on water quality. The WWTW at Turriff have limited capacity so this would need to be overcome as part of the development. 	0
Soil	+	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases ○ The proposed development would result in remediation of contaminated land. 	+
Biodiversity	+	<ul style="list-style-type: none"> ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. However, this can be mitigated by providing good quality open space in accordance with the Parks and Open Space Strategy. ○ The development will enhance biodiversity through redevelopment of brownfield land. 	+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area would be compatible with uses surrounding the site – improvement in landscape from current yard area to new housing. Trees at the rear of the site are to be retained. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The proposal will not lead to any significant pressure on local infrastructure. ○ A proposal of this scale could have a positive effect through provision of affordable housing, water/waste water infrastructure, transportation infrastructure. 	+
Population	+/0	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in housing choice for all groups of the population. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The proposal is unlikely to have any negative impacts on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: PLDP 2020 OP3 (FR134) Adjacent to Bridgend Terrace		Proposal: 40 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	--	<ul style="list-style-type: none"> ○ There is currently insufficient capacity available at Turriff WWTW to meet the demands of all development allocated in the LDP. Scottish Water would be required to initiate a growth project once development meets their five growth criteria. Impacts are likely to be localised and short/medium-term. ○ There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	-/0
Climatic Factors	-	<ul style="list-style-type: none"> ○ There would be minimal CO₂ emissions from general heating and travel. ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. ○ There is surface water flood risk to some parts of the site. ○ There is fluvial flood risk adjacent to the site. ○ A Flood Risk Assessment would be required to identify any mitigating measures. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	-	<ul style="list-style-type: none"> ○ The development is likely to adversely affect populations of protected species, including European Protected Species, their habitats and resting places or roosts such as red squirrel, elm and badger. A habitats and wildlife assessment would be required to mitigate effects. ○ The development may affect existing trees and woodland. 	0/-
Landscape	-	<ul style="list-style-type: none"> ○ This site relates poorly to the existing main settlement of Turriff and Little Turriff adjacent. It sits on a flat plateau, which is suspended up from and physically divorced from the main Burn of Turriff. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	-

Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely education provision at the primary school, which will have a temporary to long-term effect. This could be mitigated through developer obligations being sought where a need is identified. ○ The proposal may not lead to any significant pressure on water supply and drainage infrastructure subject to upgrading the network. However, a growth project is being planned, so early discussions with Scottish Water would be required. 	0
Population	-	<ul style="list-style-type: none"> ○ Very little mix of house types is proposed resulting in a limited housing choice for all groups of the population. The development would be required to comply with the LDP policy that stated a sustainable mix of housing is required including a minimum of 25% affordable housing. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ It would not result in the loss of open space/core paths and links would be made to existing core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing, or those who are seeking affordable housing. 	0
Cultural Heritage	-	<ul style="list-style-type: none"> ○ The development will have long-term and permanent negative effects on the grade C listed building (Bridgend Farmhouse – 50m from site). The development may weaken the sense of place, and the identity of existing settlements. ○ In mitigation, the building can be protected via suitable screening. 	-
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR003 Site OP3 Turriff		Proposal: Employment land	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ At < 1Ha, an individual development of this scale is unlikely to have any effect on air quality. ○ The development of employment land is likely to worsen air quality if that development is heavy and chemical processing. 	0
Water	--	<ul style="list-style-type: none"> ○ Turriff WWTW does not capacity for this site. A growth project would be required. Network investigations may be required depending on business use and waste water flows. Impacts are likely to be localised and medium/long-term. ○ There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The site is not within an identified flood risk area and is unlikely to have any effect on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. These will be short-term and considered neutral in effect. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ Unlikely to have a long-term adverse impact on biodiversity. 	0

Landscape	0	o The proposal is to the north of existing employment land. However, it is on an upward slope so there will be some landscape impact. Due to the proximity to the town, these will be long-term but insignificant.	0
Material Assets	0	o The proposal will not lead to a significant increase in pressure on local infrastructure.	0
Population	0	o Proposals will have a long-term and positive impact on employment opportunities in the village.	0
Human Health	?	o Development of the site is unlikely to have any significant effects on existing pathways or access to open space. o It is not known if the population will be at risk from hazardous development.	?
Cultural Heritage	0	o Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR004 OP4, Turriff		Proposal: Employment land	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	o Individual developments of this scale are unlikely to have any negative effects on air quality.	0
Water	--	o Turriff WWTW does not capacity for this site. A growth project would be required. Network investigations may be required depending on business use and waste water flows. Impacts are likely to be localised and medium/long-term. o There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA.	-
Climatic Factors	0	o The site is not within an identified flood risk area and is unlikely to have any effect on CO ₂ emissions (subject to proposal).	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0
Biodiversity	0	o The development of a greenfield site is unlikely to have long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat.	0
Landscape	0	o The site is on a fairly prominent slope that would be very visible when approaching Turriff from the northeast and the landscape in the area will be changed and displaced. The relationship between landforms and land use will significantly change. Due to the proximity to the town, these will be long-term but insignificant.	0
Material Assets	0	o The proposal will not lead to a significant increase in pressure on local infrastructure.	0

Population	0	o The development would allow integration of people; where they meet and work. Employment opportunity in the village. This is in line with community aspirations.	0
Human Health	0/-	o Development of the site is not likely to have any significant effects on existing pathways or access to open space. o There is a core path to the south of the site that should be retained/enhanced, but development of the proposed site will not encroach on it.	0
Cultural Heritage	0	o Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR005 Knockieland, North of Slackdale Gardens, Turriff		Proposal: 60 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	o For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	--	o Turriff WWTW does not capacity for this site. A growth project would be required. Impacts are likely to be localised and medium-term. o There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. The WWTW has limited capacity. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o The Burn of Knockiemill is located at the northern boundary of the site and a buffer strip would be required to mitigate against any effects. If allocated, the development requirements of the opportunity site would include a statement, e.g. "A buffer strip will be required adjacent to the Burn of Knockiemill and should be integrated as positive feature of the development." A Flood Risk Assessment may also be required.	0
Climatic Factors	-	o The development is adjacent to fluvial flood extent from Brodie Burn on the eastern boundary. o This could be mitigated through a Flood Risk Assessment (FRA), and if allocated, the development requirements for the site would state that a FRA may or will be required.	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0

Biodiversity	- /0	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. The development will result in the loss of woodland at the southeast of the site. ○ Where possible, the woodland should be retained. If some tree loss is absolutely necessary, this could be mitigated by compensatory planting. ○ The development is likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, and naturalness will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. The site is relatively flat and would appear to be a logical extension to the existing allocation. The impact could be mitigated by strategic landscaping, and if allocated, this will be stated as part of the development requirements for the site. 	0
Material Assets	?	<ul style="list-style-type: none"> ○ The quality of new assets, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. The site is of a scale to contribute towards affordable housing, open space and new facilities. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects, although the scale may not be sufficient to overcome the issue. 	0
Population	-	<ul style="list-style-type: none"> ○ The mix of house types has not been specified in this bid. ○ However, proposals must accord with the design policies in the LDP and include a mix of house types, amount and type of open space and contribution to other community facilities, where a need has been established. 	+
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ There is a core path to the south of the site. However, in line with the LDP policy it would not result in the loss of open space/ core paths, and would provide open space in proportion with the size of the development. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR020 Land at Markethill, Turriff		Proposal: 16 homes and a cemetery	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation

Air	0	<ul style="list-style-type: none"> o In terms of air quality, the development is unlikely to have long-term negative effects on air quality. 	0
Water	-/?	<ul style="list-style-type: none"> o Turriff WWTW does not capacity for this site. A growth project would be required. Impacts are likely to be localised and medium-term. o There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. The WWTW has limited capacity. o Due to the risk of private water supply contamination, connection to sewers is not a preferred option and if the site is allocated, more detailed studies showing disconnection would be required. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o With the information on the quality of water around the site, the effects could be significant in the longer term. 	-
Climatic Factors	0	<ul style="list-style-type: none"> o The development is not within an area at risk from flooding. o A cemetery could attract a lot of periodic car journeys, but the effects, although long-term, are unlikely to be significant. 	0
Soil	0	<ul style="list-style-type: none"> o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> o The development of a greenfield site is unlikely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats, habitat fragmentation or disturbance to species that use the site as a habitat. 	0
Landscape	-	<ul style="list-style-type: none"> o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness will change, as the site is not immediately adjacent to Turriff, but is separated by a field on the east side of the minor road. o However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	+/-	<ul style="list-style-type: none"> o Proposes a cemetery, an important asset that will have long-term benefits. o There is a WWTW constraint that will need to be mitigated, which will have a medium-term temporary effect. 	+
Population	0/-	<ul style="list-style-type: none"> o Very limited detail on the mix of house types is proposed. This could be mitigated by proposing a sustainable mix of house types in accordance with the LDP policy. 	+/0
Human Health	+	<ul style="list-style-type: none"> o It would result in creation of open space. o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	+/0
Cultural Heritage	?	<ul style="list-style-type: none"> o The overall development is unlikely to affect the listed bridge, but its integrity will be monitored by the Roads Service as part of their programme of reviewing bridges. o New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. As a potential gateway site, there would be an opportunity to ensure the proposal is in keeping with the vernacular red stone and in keeping with existing houses in the locality. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR030 Part OP1 site		Proposal: 61 homes	
SEA Topics	Effect	Comments	Effect – post mitigation
		<p>Effects should be assessed in terms of</p> <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	--	<ul style="list-style-type: none"> ○ Turriff WWTW does not capacity for this site. A growth project would be required. Impacts are likely to be localised and medium-term. ○ There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. The WWTW has limited capacity. ○ This could be mitigated through a Scottish Water growth project although the timescale for this is unclear. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development site is not within an area identified as flood risk. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. Impacts are likely to be localised and in the medium to long-term. ○ There would be loss of greenfield agricultural ground (not prime) and associated soil erosion. ○ However, the site is a logical extension to the settlement in terms of proximity from services and meeting housing needs, and would offer potential benefits in terms of increased biodiversity. 	0
Biodiversity	0/+	<ul style="list-style-type: none"> ○ Troup, Pennan and Lion's Heads is set to the north. The development would have an effect indirectly through drainage, but the likelihood of development affecting the SPA is remote. ○ The development of a greenfield site is unlikely to have long-term irreversible adverse impacts on biodiversity through the loss of habitats, habitat fragmentation or disturbance to species that use the site as a habitat. ○ The development proposes to introduce native tree planting, ponds and soakaways and will be required to meet open space mix and quantity in accordance with the LDP policy. 	0/+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and the agricultural land shall be lost. However, the development would blend in with the existing residential area adjacent to it and would blend in well. ○ In the long-term, what gets developed becomes part of the landscape, the effects are only likely to be short-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There is limited capacity in Turriff Primary. ○ There is very limited capacity of waste water treatment within the public sewer system. ○ The development would increase traffic congestion in the long run, particularly on the A947. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these impacts. 	+
Population	?	<ul style="list-style-type: none"> ○ Mix of house types is unknown resulting in a presumption of limited housing choice for all groups of the population. ○ The LDP policy would require the development to provide a sustainable mix of house types and tenures. 	+

Human Health	0	<ul style="list-style-type: none"> ○ It would result in new open space/core paths that will connect to other paths and the town. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development would not have any negative impact on built heritage. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR127 Lower Smiddyseat, Turriff		Proposal: 50 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any negative effects on air quality. 	0
Water	--	<ul style="list-style-type: none"> ○ Turriff WWTW does not capacity for this site. A growth project would be required. Impacts are likely to be localised and medium-term. ○ There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. The WWTW has limited capacity. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The site is not within an identified flood risk area and is unlikely to have any effect on CO₂ emissions (subject to proposal). 	0
Soil	0	<ul style="list-style-type: none"> ○ It should be noted that while all developments are likely to have adverse effects on soil through soil erosion, desegregation, compaction and pollution during the construction phase, these will be short-term and should be considered a neutral impact. 	0
Biodiversity	+/0	<ul style="list-style-type: none"> ○ The development of a greenfield site is unlikely to have long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ To mitigate for the negative impact of loss of a greenfield site, biodiversity enhancements and improvements to the green network are proposed. 	+/0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. Due to the proximity to the town, these will be long-term but insignificant. ○ The landscape will undoubtedly be affected due to the scale of development. However, extensive landscaping is proposed to mitigate the effect in the long-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal could lead to a significant increase in pressure on local infrastructure due to the scale of development proposed, but this could be mitigated by securing developer contributions, where a need is identified. The development will also provide affordable housing. 	0

Population	+	<ul style="list-style-type: none"> ○ The development would allow integration of people; where they live and work. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ The proposals incorporate a good mix of housing types and tenures including affordable housing. 	+
Human Health	0/+	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. The development will provide a mix of public open space in accordance with the LDP policy. 	0/+
Cultural Heritage	?	<ul style="list-style-type: none"> ○ The proposal is sited where there is a SMR (Colly Stripe – crop marks), archaeology have been consulted and have advised that this is not a constraint to development. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR074 Site adjacent to Rosehall, Turriff		Proposal: 7 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ Turriff WWTW does not capacity for this site. This could be mitigated through a Scottish Water growth project. Impacts are likely to be localised and medium-term. ○ There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The proposed site is not within an identified flood risk area. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse impacts on soil through erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The site is within the Deveron Valley Special Landscape Area and adjacent to a former designed landscape of Muiresk House. ○ The proposed site is considered inappropriate and may lead to suburbanisation of the countryside. ○ Effects could be partially mitigated through landscaping and natural boundary features. 	-

Material Assets	0	o The proposal will not lead to a significant increase in pressure on local infrastructure.	0
Population	-	o No mix of house types is proposed resulting in a limited housing choice for all groups of the population. o However, the LDP policy requires a mix of house types to mitigate effects.	+/0
Human Health	0	o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing.	0
Cultural Heritage	-	o The development will have long-term and permanent negative effects on the setting of gardens, designed landscapes and archaeological sites. The development may weaken the sense of place, and the identity of existing settlements. o Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets.	-
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR085 Land at Kinnaird House, Turriff		Proposal: Extension to settlement boundary	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	o The extension to the boundary of Turriff would have a neutral impact on the air quality; unless developments occur and only then the air quality would be required to be assessed again.	0
Water	0	o The WWTW and WTW would be kept as existing. o There is a burn to the north of the site and a SEPA map indicates a surface water drainage issue concern. However, as no additional housing is proposed, there would be no topographical change to the existing situation.	0
Climatic Factors	0	o There would be minimal CO ₂ emissions from general heating and travel.	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0
Biodiversity	0	o The proposal would not have any impact on biodiversity.	0
Landscape	0	o In light of the scale and location of the proposal, it would have no impact on the landscape character for the long-term.	0
Material Assets	0	o There would be no infrastructure constraint associated with the site.	0
Population	0	o No change to the existing population.	0
Human Health	0	o It would have no impact on paths/core paths and air quality.	0

Cultural Heritage	0	o Unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR099 Land at the Old School House, Ardmiddle, Turriff		Proposal: 30 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	o For the most part, air quality is likely to have short to medium-term temporary insignificant effects.	0
Water	-	o Turriff WWTW does not capacity for this site. This could be mitigated through a Scottish Water growth project. Impacts are likely to be localised and medium-term. o There is currently sufficient capacity at Turriff WTW. Local mains reinforcement may be required depending on the outcome of a WIA. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. o In mitigation, suitable levels of surface water treatment will be required to protect The Burn of Garble.	0
Climatic Factors	-	o The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions.	-
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases.	0
Biodiversity	0	o The development of a greenfield site is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. o Burn of Garble runs along the southern boundary. A buffer strip would be required, which could enhance biodiversity including habitat connectivity (e.g. green corridors) as part of the open space provision.	+
Landscape	-	o The site is located on the edge of the Deveron Valley SLA. o The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries will change. o The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. o A significant scale development that would further alter the character of the area. The impact is unlikely to be mitigated by strategic landscaping.	-

Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access, and waste water treatment. ○ The proposal will not lead to any significant pressure on local infrastructure. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. These include social infrastructure (schools, housing, healthcare facilities); previously developed land; minerals and aggregates (quarries); transport infrastructure (road, rail, paths, pipelines and bridges); water-delivery infrastructure; sewerage infrastructure; etc. These impacts could be mitigated where there is identified need through securing developer obligation contributions. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. ○ The development would not allow integration of people; where they meet and work. No employment opportunities. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. ○ The population is not at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

UDNY GREEN

Preferred Sites

None.

Alternative Sites

None.

UDNY STATION

Preferred Sites

None that are new sites.

Alternative Sites

Site Ref: FR021 Land at Udney Station East, Udney		Proposal: Mixed use including 40 Homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. 	0
Water	--	<ul style="list-style-type: none"> ○ Udney Station WWTW has insufficient capacity for this area and an upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ There is currently sufficient capacity. Local mains reinforcement may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	-/0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The site is not within an identified flood risk area. ○ A proposal on this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ However, development would result in the loss of prime agricultural land which is a limited resource and cannot be replaced. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. No intervention is available to mitigate against this loss. 	-
Biodiversity	0/+	<ul style="list-style-type: none"> ○ The proposal is of a scale and a location which is unlikely to negatively affect a nature conservation site or wider biodiversity. ○ Development proposes biodiversity enhancements, and the site has potential to augment woodland to the west. 	0/+
Landscape	-	<ul style="list-style-type: none"> ○ Due to the scale of the development, the proposal risks having a negative impact on the townscape/setting of the town with long-term effects. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. 	-/0

		<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. However, the site is not highly exposed and would appear to be a logical extension to the existing allocation. ○ The impact could be mitigated through a well-designed development with strategic landscaping, and if allocated, this will be stated as part of the development requirements for the site or designated as protected land. 	
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely on WWTW (capacity unknown), and schools such as Cultercullen Primary School and Meldrum Academy are both set to be over capacity by 2022 which will have a temporary effect overall. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. The site will provide housing and employment land to meet the needs of the local community. ○ The development provides opportunity to add biodiversity and link to adjacent woodland. 	?/+
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. ○ However, proposals must accord with the design policies in the LDP and include a mix of house types which would be specified in the Settlement Statement. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. ○ The site has potential to provide path links to adjacent woodland to the west. 	0/?
Cultural Heritage	-	<ul style="list-style-type: none"> ○ The proposal will have a negative impact on key features of cultural heritage. This will be long-term and permanent. ○ The site is immediately adjacent to/encloses ROC (WWII) observation posts. These should be avoided by development. If the site is allocated, the preservation of these features would be stated in the LDP as developer requirements of the opportunity site, on the basis that these could be factored in as positive features of the overall design of the development. 	-/+
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR138 Site OP1 Land North East of Udney Station Park		Proposal: 35 houses and 1Ha employment land	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	Individual developments of this scale are unlikely to have any effect on air quality.	0

Water	--	<ul style="list-style-type: none"> ○ Udney Station WWTW has insufficient capacity for this area and an upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ There is currently sufficient capacity. Local mains reinforcement may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The site is not within an identified flood risk area. ○ A proposal on this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0/+	<ul style="list-style-type: none"> ○ The proposal is of a scale and a location which is unlikely to negatively affect a nature conservation site or wider biodiversity. ○ The site presents an opportunity to improve habitats for biodiversity. 	0/+
Landscape	0	<ul style="list-style-type: none"> ○ The proposal is of a scale or in a location that is unlikely to have any effect on landscape quality. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely on WWTW (capacity unknown) and schools such as Cultercullen Primary School and Meldrum Academy are both set to be over capacity by 2022 which will have a temporary effect overall. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. The site will provide housing and employment land to meet the needs of the local community. ○ Development provides an opportunity to improve play areas, provide new walking routes and add biodiversity enhancements. 	?/+
Population	+/0	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in a housing choice for all groups of the population. ○ The development will allow integration of people; where they live and work. Employment opportunity in the village. 	+/0
Human Health	0/+	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. ○ New walking routes are proposed. ○ The population is not at risk from hazardous developments. 	0/+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development is unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR139 Land Northeast of Udney Station Park		Proposal: 65 houses and 1ha employment land	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a decrease in air quality (i.e. through increases in concentrations of air pollutants) impacts are likely to be permanent and long-term in duration: site risks increasing traffic flow through Ellon. ○ However, the site is near a bus route that may help mitigate increased traffic. 	-/?
Water	--	<ul style="list-style-type: none"> ○ Udney Station WWTW has insufficient capacity for this area and an upgrade to an adoptable standard would be required. This is a reversible short-term impact. ○ There is currently sufficient capacity. Local mains reinforcement may be required. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The site is not within an identified flood risk area. ○ A proposal on this scale has potential to cause an increase in concentrations of CO₂ emissions through increased car travel. ○ The connectivity of the proposed site must be taken into account when assessing impact. A mixed-use proposal on a bus route may also help mitigate transport related emissions. However, there are no existing services and facilities and currently development in this location would therefore promote car dependency. Effects are likely to be medium-term. 	-/0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0/+	<ul style="list-style-type: none"> ○ The proposal is of a scale and a location which is unlikely to negatively affect a nature conservation site or wider biodiversity. ○ The development proposes a range of biodiversity enhancements, with potential to augment woodland to the east. 	0/+
Landscape	-	<ul style="list-style-type: none"> ○ Due to the scale of the development, the proposal risks having a negative impact on the townscape/setting of the town with long-term effects. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. However, the site is not highly exposed and would appear to be a logical extension to the existing allocation. ○ The impact could be mitigated through a well-designed development with strategic landscaping, and if allocated, this will be stated as part of the development requirements for the site or designated as protected land. 	-/0

Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely on WWTW (capacity unknown), and schools such as Cultercullen Primary School and Meldrum Academy are both set to be over capacity by 2022 which will have a temporary effect overall. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. The site will provide housing and employment land to meet the needs of the local community. ○ Development provides an opportunity to improve play areas, provide new walking routes and add biodiversity enhancements. 	?/+
Population	+	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in a housing choice for all groups of the population. ○ The development will allow integration of people; where they live and work. Employment opportunity in the village. 	+
Human Health	0/+	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. ○ New walking routes are proposed. ○ The population is not at risk from hazardous developments. 	0/+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development is unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

WEST PITMILLAN

Preferred Sites

Site Ref: OP1 (FR118) West Pitmillan		Proposal: 3.1ha Employment Land	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a decrease in air quality (i.e. through increases in concentrations of air pollutants) as it is for industrial use. 	-
Water	0	<ul style="list-style-type: none"> ○ There is no WWTW in Westfield Foveran, but a growth project has been initiated by Scottish Water at Foveran WWTW (1.4km away). All sites in West Pitmillan will connect to the public sewerage system in Foveran once the growth project is complete. This is a reversible short-term impact. ○ Proposed development can connect directly off the trunk main. 24-hour water storage will be required on site. A mains extension with pressure management is also required. This is a reversible short-term impact. ○ A buffer strip will be required adjacent to the watercourse which runs along the northern site boundary. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ A Flood Risk Assessment may be required due to the possible presence of culverted watercourses on the site. ○ The development is relatively well-connected to the A90 and traffic impact would be reflective of the other businesses that are already located there. 	0
Soil	--	<ul style="list-style-type: none"> ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	--
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of this intensive farmland is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced but the site is not particularly significant in a landscape context and the nature of the area has been affected by the A90. 	0
Material Assets	+	<ul style="list-style-type: none"> ○ The allocation will not lead to any significant pressure on local infrastructure. 	+
Population	0	<ul style="list-style-type: none"> ○ The allocation would not have any significant effects on the population. 	0
Human Health	0	<ul style="list-style-type: none"> ○ The allocation would not have any significant effects on the population. 	0/+
Cultural Heritage	0	<ul style="list-style-type: none"> ○ No significant effects on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect		

0 = neutral effect ? = uncertain effect

Alternative Sites

Site Ref: FR117 Land West of Enerfield Business Park, Foveran, Newburgh		Proposal: Employment land	
SEA Topics	Effect	Comments	Effect – post mitigation
		<p>Effects should be assessed in terms of</p> <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	-	<ul style="list-style-type: none"> ○ A proposal of this scale will lead to a decrease in air quality (i.e. through increases in concentrations of air pollutants) as it is for industrial use. 	-
Water	0	<ul style="list-style-type: none"> ○ There is no WWTW in Westfield Foveran, but a growth project has been initiated by Scottish Water at Foveran WWTW (1.4km away). All sites in West Pitmillan will connect to the public sewerage system in Foveran once the growth project is complete. This is a reversible short-term impact. ○ Proposed development can connect directly off the trunk main. 24-hour water storage will be required on site. A mains extension with pressure management is also required. This is a reversible short-term impact. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements, as the proposal is distant from residential areas, which will increase the need to travel long distances to services and increased emissions. 	-
Soil	-	<ul style="list-style-type: none"> ○ The proposed development would result in the loss of prime agricultural land. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. 	-
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of this intensive farmland is unlikely to have a long-term adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The allocation will not lead to any significant pressure on local infrastructure. 	0
Population	0	<ul style="list-style-type: none"> ○ The allocation would not have any significant effects on the population. 	0
Human Health	0	<ul style="list-style-type: none"> ○ The allocation would not have any significant effects on the population. 	0
Cultural Heritage	-	<ul style="list-style-type: none"> ○ Whilst the proposal would likely destroy a site of regional significance it is unlikely to have significant effects on the historic environment. 	0

Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect
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WOODHEAD

Preferred Sites

None.

Alternative Sites

Site Ref: FR042 Land at Fyvie Road, Woodhead of Fyvie		Proposal: 5 homes	
SEA Topics	Effect	Comments	Effect – post mitigation
Air	0	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	0
Water	-	<ul style="list-style-type: none"> ○ WWTW is not available for this area and the site is in a SEPA waste water drainage hot spot (i.e. poor ground conditions for soakaways) and it is not desirable to have septic tanks. They would need to connect to a public sewer; however, this may not be feasible. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short term. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the likelihood of increased travel requirements (the need to travel long distances to services) and increased emissions. However, a proposal on this scale is unlikely to have any effect on CO₂ emissions. ○ The development is not in an area identified at flood risk. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The development will cause loss of prime agricultural land which is a limited resource and cannot be replaced. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. No intervention is available to mitigate against this loss. 	-

Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development could affect the conservation objectives and natural features of a locally important designated site (development site is within Windyhills LNCS). No intervention is available to mitigate against the loss of a locally important nature conservation designation. 	-
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will lead to significant pressure on local infrastructure in relative terms due to the lack of WWTW. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. As there are no local services or facilities locally, the development may help sustain services and facilities elsewhere (although this requires the need to travel). ○ The development may help sustain the schools as Fyvie Primary School and Turriff Secondary School are projected to have spare capacity, however there are other infrastructure constraints associated with the site, namely WWTW. Consultation with relevant infrastructure providers will be required to identify mitigation measures – if any are possible – and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The site connects well to the existing settlement with potential to enhance the footpath network. 	-/+
Population	+/0	<ul style="list-style-type: none"> ○ The self-build housing proposed enhances opportunities to access affordable housing (one 3 bed unit to be incorporated). However, this will not make a significant increase in housing choice. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Opportunities to enhance and extend footpaths. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ No impact on cultural heritage. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR043 Site North of Woodhead Farm, Woodhead of Fyvie		Proposal: 5 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. 	0
Water	-	<ul style="list-style-type: none"> ○ WWTW is not available for this area and the site is in a SEPA waste water drainage hot spot (i.e. poor ground conditions for soakaways) and it is not desirable to have septic tanks. They would need to connect to a public sewer; however, this may not be feasible. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the likelihood of increased travel requirements (the need to travel long distances to services) and increased emissions. However, a proposal on this scale is unlikely to have any effect on CO₂ emissions. ○ The development is not in an area identified at flood risk. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The development will cause loss of prime agricultural land which is a limited resource and cannot be replaced. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. No intervention is available to mitigate against this loss. 	-
Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development could affect the conservation objectives and natural features of a locally important designated site (development site is within Windyhills LNCS). No intervention is available to mitigate against the loss of a locally important nature conservation designation. 	-
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-/+	<ul style="list-style-type: none"> ○ The proposal will lead to significant pressure on local infrastructure in relative terms due to the lack of WWTW. 	-/+

		<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. As there are no local services or facilities locally, the development may help sustain services and facilities elsewhere (although this requires the need to travel). ○ The development may help sustain the schools as Fyvie Primary School and Turriff Secondary School are projected to have spare capacity, however there are other infrastructure constraints associated with the site, namely WWTW. Consultation with relevant infrastructure providers will be required to identify mitigation measures – if any are possible - and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The site connects well to the existing settlement with potential to enhance the footpath network. 	
Population	+/0	<ul style="list-style-type: none"> ○ The self-build housing proposed enhances opportunities to access affordable housing (one 3 bed unit to be incorporated). However, this will not make a significant increase in housing choice. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ There are opportunities to enhance and extend footpaths. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ No impact on cultural heritage. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR053 Land adjacent to Braefield, Woodhead of Fyvie		Proposal: 3 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. 	0
Water	-	<ul style="list-style-type: none"> ○ WWTW is not available for this area and the site is in a SEPA waste water drainage hot spot (i.e. poor ground conditions for soakaways) and it is not desirable to have septic tanks. They would need to connect to a public sewer; however, this may not be feasible. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, a proposal on this scale is unlikely to have any effect on CO₂ emissions. ○ The development is not in an area identified at flood risk. 	0

Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ Biodiversity enhancements are proposed. 	0
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will lead to significant pressure on local infrastructure in relative terms due to the lack of WWTW. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. As there are no local services or facilities locally, the development may help sustain services and facilities elsewhere (although this requires the need to travel). ○ The development may help sustain the schools as Fyvie Primary School and Turriff Secondary School are projected to have spare capacity, however there are other infrastructure constraints associated with the site, namely WWTW. Consultation with relevant infrastructure providers will be required to identify mitigation measures – if any are possible - and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The site has potential to help consolidate the settlement pattern. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. However, proposals must accord with the design policies in the LDP and include a mix of house types. Nonetheless, this is small-scale, self-build housing with limited opportunity to provide a good housing mix and choice. 	-
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ No impact on cultural heritage. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR054 Land adjacent to Hillview, Woodhead of Fyvie		Proposal: 2 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. 	0
Water	-	<ul style="list-style-type: none"> ○ WWTW is not available for this area and the site is in a SEPA waste water drainage hot spot (i.e. poor ground conditions for soakaways) and it is not desirable to have septic tanks. They would need to connect to a public sewer; however, this may not be feasible. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, a proposal on this scale is unlikely to have any effect on CO₂ emissions. ○ The development is not in an area identified at flood risk. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development could affect the conservation objectives and natural features of a locally important designated site (development site is within Windyhills LNCS). No intervention is available to mitigate against the loss of a locally important nature conservation designation. 	-
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	0	<ul style="list-style-type: none"> ○ The proposal will lead to significant pressure on local infrastructure in relative terms due to the lack of WWTW. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. As there are no local services or facilities locally, the development may help sustain services and facilities elsewhere (although this requires the need to travel). ○ The development may help sustain the schools as Fyvie Primary School and Turriff Secondary School are projected to have spare capacity, however there are other infrastructure constraints associated with the site, namely WWTW. Consultation with 	0

		relevant infrastructure providers will be required to identify mitigation measures – if any are possible – and if allocated, the Settlement Statement will specify how to mitigate against these effects. o The site has potential to help consolidate the existing settlement.	
Population	-	o The self-build housing proposed enhances opportunities to access affordable housing (one 3 bed unit to be incorporated). However, this will not make a significant increase in housing choice.	-
Human Health	0	o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing.	0
Cultural Heritage	0	o No impact on cultural heritage.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR130 Land to the West of Woodhead, Woodhead of Fyvie		Proposal: 24 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o Individual developments of this scale are unlikely to have any effect on air quality.	0
Water	--	o WWTW is not available for this area and the site is in a SEPA waste water drainage hot spot (i.e. poor ground conditions for soakaways) and it is not desirable to have septic tanks. They would need to connect to a public sewer; however, this may not be feasible. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term.	--
Climatic Factors	0	o The development could have a long-term negative impact due to the likelihood of increased travel requirements (the need to travel long distances to services) and increased emissions. However, a proposal on this scale is unlikely to have any effect on CO ₂ emissions. o The development is not in an area identified at flood risk.	0
Soil	-	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. o The development will cause loss of prime agricultural land which is a limited resource and cannot be replaced. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. No intervention is available to mitigate against this loss.	-

Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development could affect the conservation objectives and natural features of a locally important designated site (development site is immediately adjacent Windyhills LNCS). A buffer strip would reduce potential negative effects and provide biodiversity enhancement opportunities. If the site is allocated, this mitigation measure will be stated as part of the development requirements for the site. 	-/0
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ The proposal is likely to have a negative impact on the setting of the settlement. ○ Visual and landscape character impacts are expected as a result of the scale of development which is significant relative to the scale of the settlement, particularly on the approach to the village. ○ The impact could be mitigated by strategic landscaping, and if allocated, this will be stated as part of the development requirements for the site or designated as protected land. If necessary, a landscape and visual impact assessment will be required and will be stated in the development requirements for the site. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	-/0
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will lead to significant pressure on local infrastructure in relative terms due to the lack of WWTW. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. As there are no local services or facilities locally, the development may help sustain services and facilities elsewhere (although this requires the need to travel). ○ The development may help sustain the schools as Fyvie Primary School and Turriff Secondary School are projected to have spare capacity, however there are other infrastructure constraints associated with the site, namely WWTW. Consultation with relevant infrastructure providers will be required to identify mitigation measures – if any are possible – and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The site has potential to connect well to the existing settlement. 	-/+
Population	+/0	<ul style="list-style-type: none"> ○ Limited choice of housing proposed; however, proposals must accord with the design policies in the LDP and include a mix of house type. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ No impact on cultural heritage 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

YTHANBANK

Preferred Sites

Site Ref: OP1 (FR019) Michealmuir Croft, Ythanbank		Proposal: 5 homes	
SEA Topics	Effect	Comments	Effect – post mitigation
		<p>Effects should be assessed in terms of</p> <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	
Air	0	<ul style="list-style-type: none"> ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	--	<ul style="list-style-type: none"> ○ There is no public waste water treatment works in Ythanbank. The Scottish Environment Protection Agency (SEPA) will need to be consulted and full authorisation and relevant licensing sought for private treatment. Early discussions with SEPA may be required as approval of individual waste water discharges is unlikely. A single adoptable Waste Water Treatment Plant of sufficient capacity should be pursued, and investigation into ground water pollution may be required. ○ Invercannie, Mannofield and Turriff WTW has sufficient capacity, however early engagement with Scottish Water has been advised. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. However, a proposal on this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0/+	<ul style="list-style-type: none"> ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development is not likely to maintain or enhance existing green networks and improve connectivity/function or create new links where needed. ○ Biodiversity enhancements are proposed. Individual SuDS schemes would also enhance biodiversity. 	0/+
Landscape	0	<ul style="list-style-type: none"> ○ Landscape impact would be minimal and mitigated through landscaping and natural boundary features. ○ The scale and location of the development fits with the existing settlement. 	0
Material Assets	0/+	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ The development would help sustain Auchterellon Primary School (decreasing school roll). ○ Although the village lacks local services and facilities and therefore promotes car dependency, the development would help sustain services in Ellon. 	0/+

Population	-	o Self-build housing proposed of 4+bed homes suggested, which limits housing choice.	-
Human Health	0/+	o The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. o Extends footpath in front of plots and potential to improve connectivity to the Ythanbank Reindeer Centre.	0/+
Cultural Heritage	0	o No impact on cultural heritage.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Alternative Sites

Site Ref: FR048 Site 1, Land at Wood of Schivas, Ythanbank, Methlick		Proposal: 12 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	o For the most part individual developments of this scale are likely to have short to medium-term temporary insignificant effects on air quality, largely limited to the construction period.	0
Water	-	o There is no public waste water treatment works in Ythanbank. The Scottish Environment Protection Agency (SEPA) will need to be consulted and full authorisation and relevant licensing sought for private treatment. Early discussions with SEPA may be required as approval of individual waste water discharges is unlikely. A single adoptable Waste Water Treatment Plant of sufficient capacity should be pursued, and investigation into ground water pollution may be required. o Invercarnie, Mannofield and Turriff WTW has sufficient capacity, however early engagement with Scottish Water has been advised. o Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term.	-/?
Climatic Factors	0	o The site is not within an area identified as being at flood risk. o The site has poor connections to the public transport network (no bus stop within 400m) and therefore may increase reliance on private car usage. o A development of this scale is unlikely to have a significant impact on CO ₂ emissions.	0
Soil	0	o The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases, however this impact would be limited to the short/medium-term.	0

Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and disturbance to species that use the site as a habitat. ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development risks loss of existing trees (ancient woodland – plantation origin), woodland and hedges. The area of the site covered by Ancient Woodland should be retained as open space and woodland supplemented as required to mitigate against any negative impact and if allocated, this measure stated as part of the development requirements to be a positive feature of the opportunity site. ○ The development will enhance biodiversity through provision of open space, including the planting of native tree species, nectar rich species and wildflowers in the verges. 	-/+
Landscape	0	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term, and overall the site will not have a significant negative impact on the setting of the village. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access, education provision at Methlick Primary and Meldrum Academy, which will have a long-term effect. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population, although 25% affordable housing is proposed. However, proposals must accord with the design policies in the LDP and include a mix of house types. 	+/0
Human Health	+/-	<ul style="list-style-type: none"> ○ It would result in an increase of open space. ○ No impact on core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ Poor connectivity to facilities and amenities would discourage the use of sustainable modes of transport, having a negative impact on health. 	+/-
Cultural Heritage	-	<ul style="list-style-type: none"> ○ The development will have long-term and permanent, long-term negative effects on the setting of an archaeological site (Fedderat Cairn). As such, the development may weaken the sense of place, and the identity of existing settlements. Site topography and landscaping may help mitigate, nonetheless there would be a significant impact due to the development's siting on an area of regionally significant importance (Wood of Schivas – extensive rig and furrow area). 	-/?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR049 Site 2, Land at Wood of Schivas, Ythanbank, Methlick		Proposal: 25 Homes and 2.5ha Employment Land	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ For the most part individual developments of this scale are likely to have short to medium-term temporary insignificant effects on air quality, largely limited to the construction period. 	0
Water	-/?	<ul style="list-style-type: none"> ○ There is no public waste water treatment works in Ythanbank. In the event that private waste water drainage is required for a development of this scale, it is likely to have a negative impact on water quality. To mitigate this, the Scottish Environment Protection Agency (SEPA) will need to be consulted and full authorisation and relevant licensing sought for private treatment. Early discussions with SEPA may be required as approval of individual waste water discharges is unlikely. A single adoptable WWTP of sufficient capacity should be pursued, and investigation into ground water pollution may be required. ○ Invercarnie, Mannofield and Turriff WTW has capacity, however early engagement with Scottish Water has been advised. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. 	-/?
Climatic Factors	0	<ul style="list-style-type: none"> ○ The site is not within an area identified as being at flood risk. ○ The site has poor connections to the public transport network (no bus stop within 400m) and therefore may increase reliance on private car usage. ○ However, development on this scale is unlikely to have a significant impact on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases, however this impact would be limited to the short/medium-term. 	0
Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and disturbance to species that use the site as a habitat. ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development will enhance biodiversity through provision of open space, including the planting of native tree species, nectar rich species and wildflowers in the verges. The proposal also presents an opportunity for providing green corridor links. ○ The development will however also result in the loss of existing trees (ancient woodland – plantation origin), woodland and hedges. Native tree species planting proposed. Although, this would not offset the loss of ancient woodland but may offset other tree removal. ○ Compensatory planting is a mitigation measure that would reduce potential negative effects and provide biodiversity enhancement opportunities. If the site is allocated, the need for compensatory planting will be stated as part of the development requirements for the site. 	-/+

Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ Potential loss of woodland and open field pattern. ○ Potential mitigation from compensatory planting, use of dry-stone walls. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ There are a number of infrastructure constraints associated with the site, namely road access, education provision at Methlick Primary and Meldrum Academy, and uncertainty over WWTW capacity, which may have a long-term effect. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. The development would provide employment opportunity, housing choices, new walking routes but the site is poorly connected to existing settlements. 	+/?
Population	+/0	<ul style="list-style-type: none"> ○ A mix of house types is proposed resulting in a housing choice for all groups of the population. ○ 25% affordable housing is proposed. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ It would result in an increase of open space. ○ No impact on core paths – new walking routes are proposed. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. ○ However, positive benefits are offset by poor connectivity to facilities and amenities would discourage the use of sustainable modes of transport, having a negative impact on health. ○ Although, an eastern section of the site lies within the outer consultation zone for a national grid pipeline. Therefore, the development would be subject to consultation. 	0/?
Cultural Heritage	-	<ul style="list-style-type: none"> ○ The development will have long-term and permanent negative effects on the setting of scheduled monuments and archaeological sites. The development may weaken the sense of place, and the identity of existing settlements. ○ Invariably, the allocation will adversely affect the built features, their context, pattern of past historic use, and the setting in which they sit, in landscapes and within the soil (archaeology), and also in our towns, villages and streets. ○ New developments that deviate from existing designs, layouts and materials could adversely affect the setting of historic settlements in the long-term. ○ There are numerous Aberdeenshire SMRs within and adjacent to the site. Development is likely to impact the setting of these – site topography and landscaping may help mitigate, nonetheless there would be a significant impact due to the development's siting on an area of regionally significant importance (Wood of Schivas – extensive rig and furrow area). 	-/?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

LANDWARD SITES – DRUM OF WARTLE

Preferred Sites

None.

Alternative Sites

Site Ref: FR036 Land at Greenway, Drum of Wartle (Business)		Proposal: 1.5 ha employment land (light industrial)	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	-	<ul style="list-style-type: none"> ○ The development of employment land could worsen air quality depending on developments coming forward. The impact would be controlled through development management procedures. 	0
Water	-	<ul style="list-style-type: none"> ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The effect on the water environment also depends on potential deterioration of a waterbody, based on private drainage being proposed. 	0
Climatic Factors	-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services) and increased emissions. This is not a well-connected area, so it is unlikely that the impact of emissions could be mitigated especially as the proposal is for employment land. 	-
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. These will be remediated in the medium-term. 	0
Biodiversity	-	<ul style="list-style-type: none"> ○ The development of a greenfield site is likely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. Negative impacts can be overcome by good landscape design including green corridors. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. 	-

		o However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term.	
Material Assets	+	o The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire.	+
Population	0	o Employment opportunities would be created.	0
Human Health	0	o Unlikely to have any significant effects.	0
Cultural Heritage	0	o The development of the site is unlikely to have any effect on the historic environment.	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

LANDWARD SITES – FORGUE

Preferred Sites

None.

Alternative Sites

Site Ref: FR146 Land to East of South Balnoon Farmhouse, Forgue		Proposal: 10 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ Unlikely to have an impact due to its small scale. 	0
Water	-	<ul style="list-style-type: none"> ○ No public sewers in the area. Proposer provides no details on sewage disposal. In the event that private waste water drainage is required, it must not have a negative impact on water quality. To mitigate this, the Scottish Environment Protection Agency (SEPA) will need to be consulted and full authorisation and relevant licensing sought for private treatment. Early discussions with SEPA may be required as approval of individual waste water discharges is unlikely. A single adoptable WWTP of sufficient capacity should be pursued, and investigation into ground water pollution may be required. ○ Turriff WTW has capacity, but a growth project may be required to accommodate future development. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ Minimal negative impact on water quality - the proposed development is on a brownfield site near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is poor. However, the site is not immediately adjacent to a watercourse. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements as there are few services available locally. However, a development of this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	+/?	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development may result in remediation of contaminated soil (existence of any contamination is unknown). 	+/?
Biodiversity	0/+	<ul style="list-style-type: none"> ○ The site is agricultural land of limited biodiversity interest. ○ Unlikely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. 	0/+

		<ul style="list-style-type: none"> ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development will enhance biodiversity through redevelopment of brownfield land with some biodiversity improvements. 	
Landscape	-	<ul style="list-style-type: none"> ○ The site is in close proximity to Deveron Valley Special Landscape Area and within the Agricultural Heartland landscape character type, which features gently rolling landforms allowing for open views, and characterised by infrequent farmsteads and scattered settlements. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. ○ The landscape experience is likely to change – openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations. ○ There is potential cumulative impact on housing of an inappropriate scale on a farmstead (10 homes together with adjacent bid site for 4 homes) which would be intrusive by its relative scale. ○ The site is visible due to open nature of landscape: the development risks a suburban ‘cul de sac’ arrangement being imposed on this agricultural setting through the scale of the setting, although screening would help mitigate impact. ○ In this undulating agricultural heartland, mixed species woodland and shelterbelts could be planted to mitigate impact and reinforce landscape character. If allocated, this mitigation would be stated in the development requirements of the opportunity site. 	-/0
Material Assets	-	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ Positive impact on Forgue Primary School which is currently over capacity but set to decline within 5 years. ○ There are very few facilities in the locality. ○ Long-term negative impact on the single-track road and junction onto the B9024. 	+/-
Population	+/0	<ul style="list-style-type: none"> ○ Mixed size of housing is proposed (2, 3 and 4 bedroom) resulting in a degree of housing choice, including affordable housing. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Development would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	-	<ul style="list-style-type: none"> ○ Development is immediately adjacent to the site of a 19th century farmstead. New developments that deviate from existing designs, layouts and materials could adversely affect the setting of an historic setting in the long-term. If allocated, the need for sensitive design solutions would be specified as part of the development requirements of the site. 	-/?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR147 Land to North and East of South Balnoon Farmhouse, Forgue		Proposal: 4 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ Unlikely to have an impact due to its small scale. 	0
Water	-	<ul style="list-style-type: none"> ○ No public sewers in the area. Proposer provides no details on sewage disposal. In the event that private waste water drainage is required, it must not negative impact on water quality. To mitigate this, the Scottish Environment Protection Agency (SEPA) will need to be consulted and full authorisation and relevant licensing sought for private treatment. Early discussions with SEPA may be required as approval of individual waste water discharges is unlikely. A single adoptable WWTP of sufficient capacity should be pursued, and investigation into ground water pollution may be required. ○ Turriff WTW has capacity, but a growth project may be required to accommodate future development. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ Minimal negative impact on water quality – the proposed development is on a site that may be brownfield, near a watercourse where the quality of water bodies (ground, coastal, transitional or loch) is poor. 	0
Climatic Factors	0	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements as there are few services available locally. However, a development of this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	-/?	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ The proposed development may result in remediation of contaminated soil (existence of any contamination is unknown). ○ Development causes some loss of prime agricultural land which is a limited resource and cannot be replaced. It will also result in soil sealing, structural change in soils and change in soil organic matter. Impacts are likely to be localised and long-term. No intervention is available to mitigate against this loss. 	-/?
Biodiversity	0/+	<ul style="list-style-type: none"> ○ The site is agricultural land of limited biodiversity interest. ○ Unlikely to be a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. ○ The development is not likely to conserve, protect and enhance the diversity of species and habitats, and the natural heritage of the area. ○ The development will enhance biodiversity through proposed planting. 	0/+
Landscape	-/0	<ul style="list-style-type: none"> ○ The site is located in agricultural heartland (upland ridges South of the Deveron) with gently rolling landforms allowing open views, characterised by infrequent farmsteads and scattered settlements. ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. 	-/0

		<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations. ○ Inappropriate scale of housing on a farmstead (4 homes together with adjacent bid site for 10 homes) would be intrusive by its relative scale and result in a negative cumulative impact. ○ The site is visible due to the open nature of the landscape: the development risks a suburban arrangement being imposed on this agricultural setting, although screening would help mitigate the impact. ○ In this undulating agricultural heartland mixed species woodland and shelterbelts could be planted to mitigate the impact and reinforce landscape character. 	
Material Assets	+/-	<ul style="list-style-type: none"> ○ The quality of a new asset, created through the development of this site, depends on the availability of and its conformity with other assets in Aberdeenshire. ○ Positive impact on Fogue Primary School which is currently over capacity but set to decline within 5 years. ○ There are very few facilities in the locality. ○ Long-term negative impact on the single track road and junction onto the B9024. 	+/-
Population	-	<ul style="list-style-type: none"> ○ Comprises of 4 detached houses (3 bedroom), no affordable housing proposed. (Note: two planning approvals for conversion of steading and bothy provide smaller accommodation as residential feu – related to this bid). However, proposals must accord with the design policies in the LDP and include a mix of house type. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Development would not result in the loss of open space/core paths. ○ The provision of new housing in conformity with new building standards can enhance good health and social justice for people with no previous access to housing. 	0
Cultural Heritage	-	<ul style="list-style-type: none"> ○ Development is immediately adjacent to the site of a 19th century farmstead. New developments that deviate from existing designs, layouts and materials could adversely affect the setting of an historic setting in the long-term. If allocated, the need for sensitive design solutions would be specified as part of the development requirements of the site. 	-/?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

LANDWARD SITES – HATTONCROOK

Preferred Sites

None.

Alternative Sites

Site Ref: FR023 West Hattoncrook, Oldmeldrum		Proposal: 30 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any significant impacts. 	0
Water	--	<ul style="list-style-type: none"> ○ The proposal is likely to have a significant negative effect. As it exceeds public sewage treatment capacity, a private waste drainage system is proposed/required for more than 15 houses. Scottish Environment Protection Agency (SEPA) will need to be consulted and full authorisation and relevant licensing sought for private treatment. A single adoptable WWTP of sufficient capacity should be pursued, and investigation into ground water pollution may be required. Impacts are likely to be localised and medium/long-term. ○ This could also be mitigated through a growth programme should the proposal meet Scottish Water's growth criteria. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ The site is not within an identified flood risk area. ○ A proposal on this scale is unlikely to have any effect on CO₂ emissions. ○ A proposal of this scale will cause a significant loss of valuable agricultural land (i.e. through increases in concentrations of a certain contaminant(s) in soil, soil sealing, structural change in soils and change in soil organic matter). Impacts are likely to be localised and medium/long-term. 	0
Soil	-	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. ○ A proposal of this scale will cause a significant loss of valuable agricultural land. Impacts are likely to be localised and medium/long-term. 	-
Biodiversity	0	<ul style="list-style-type: none"> ○ The proposal is of a scale and in a location, which is unlikely to negatively affect a nature conservation site or wider biodiversity. 	0
Landscape	-	<ul style="list-style-type: none"> ○ The nature of land use in the area will be changed and displaced. The relationship between landforms and land use; field pattern and boundaries as well as buildings and structure will change. 	0

		<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, colour, texture, visual diversity, line, pattern, movement, sound, solitude, naturalness, historical and cultural associations will change. ○ The proposal will have a negative impact on a key feature of the landscape character area. ○ These negative impacts could be mitigated through good design and screening. 	
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will have negative effects on existing infrastructure as it is of a scale which increases the pressure on the sewage network and the local primary/secondary school. ○ These negative impacts could be mitigated through a growth programme and developer obligations, if required. 	-
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. However, any applications will be required to be in accordance with the LDP policy, meaning there will be a sustainable mix of housing with at least 25% being affordable. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. ○ Population not at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development is unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

LANDWARD SITES – WHITECAIRNS

Preferred Sites

None.

Alternative Sites

Site Ref: FR016 Land to the rear of Dykeside, Whitecairns		Proposal: 6 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ▪ Individual developments of this scale are unlikely to have any effect on air quality. ▪ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	-	<ul style="list-style-type: none"> ○ WWTW is not available for this area and the site is in a SEPA waste water drainage hot spot (i.e. poor ground conditions for soakaways) and it is not desirable to have septic tanks. They would need to connect to a public sewer; however, this may not be feasible. ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near the Potterton Burn, which has a moderate water quality rating. ○ The effect on the water environment also depends on potential deterioration of a waterbody, and the extent to which the allocation connects to the public sewage infrastructure. ○ With the information on the quality of water around the site, the cumulative effects can be significant in the longer term for the Potterton Burn. 	-/?
Climatic Factors	0/-	<ul style="list-style-type: none"> ○ The development could have a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services), but its scale would only have a moderate increase in CO₂ emissions. 	0/-
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development is of a scale and in a location that is unlikely to negatively affect a nature conservation site or wider biodiversity. ○ Some moderate biodiversity enhancements are proposed, which would have a long-term positive impact. 	0

Landscape	-	<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, line, pattern, solitude, naturalness will change. This could be mitigated by strategic landscaping. ○ However, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will not lead to a significant increase in pressure on local infrastructure. ○ However, Balmedie Primary School will be over capacity (118% by 2024). Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. However, this would be mitigated by conforming with the LDP policy. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. ○ The population is not at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ The development is unlikely to weaken the sense of place, and the identity of Whitecairns, as it mostly comprises of detached houses, the oldest located at the T-junction and the newest to the north. The site contains former cottages, which are listed in the Sites and Monuments Record, but have been removed. An archaeology survey could be requested if the site is allocated. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR055 Chance Inn, Whitecairns		Proposal: 3 homes	
SEA Topics	Effect	Comments Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect – post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. 	0
Water	-	<ul style="list-style-type: none"> ○ WWTW is not available for this area. The proposal is likely to have a negative effect as a private waste drainage system is proposed. The effects could be significant in the longer term. 	-
Climatic Factors	0	<ul style="list-style-type: none"> ○ The site is not within an identified flood risk area. ○ A proposal on this scale is unlikely to have any effect on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0	<ul style="list-style-type: none"> ○ The development of this greenfield site is unlikely to have a long-term irreversible adverse impact on biodiversity through the loss of habitats and/or habitat fragmentation and/or disturbance to species that use the site as a habitat. 	0

		<ul style="list-style-type: none"> ○ Any negative impacts regarding development could be mitigated by the development plan being in accordance with the Parks and Open Space Strategy; in particular by procuring wold green space and green corridors. 	
Landscape	-	<ul style="list-style-type: none"> ○ The proposal would create ribbon development and will have a negative impact on a key feature of the landscape character. The impacts are likely to be long-term. 	-
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will not lead to a significant increase in pressure on local infrastructure. ○ However, Balmedie Primary School will be over capacity (118% by 2024). Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. 	0
Population	-	<ul style="list-style-type: none"> ○ No mix of house types is proposed resulting in a limited housing choice for all groups of the population. 	-
Human Health	0	<ul style="list-style-type: none"> ○ Development of the site is unlikely to have any significant effects on existing pathways or access to open space. ○ The population is not at risk from hazardous developments. 	0
Cultural Heritage	0	<ul style="list-style-type: none"> ○ Unlikely to have any effect on the historic environment. 	0
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		

Site Ref: FR097 Land North of Drovers Place, Whitecairns		Proposal: 30 homes	
SEA Topics	Effect	Comments and mitigation measures Effects should be assessed in terms of <ul style="list-style-type: none"> • reversibility or irreversibility • risks • duration (i.e. permanent, temporary, long-term, short-term and medium-term) 	Effect - post mitigation
Air	0	<ul style="list-style-type: none"> ○ Individual developments of this scale are unlikely to have any effect on air quality. ○ For the most part, air quality is likely to have short to medium-term temporary insignificant effects. 	0
Water	--	<ul style="list-style-type: none"> ○ WWTW is not available for this area and the site is in a SEPA waste water drainage hot spot (i.e. poor ground conditions for soakaways) and it is not desirable to have septic tanks. They would need to connect to a public sewer; however, this may not be feasible. However, a private reed bed system is proposed off-site on land in the ownership of the proposer. The feasibility of this is uncertain, which could impact watercourses ○ Some localised impacts on watercourses would occur during the development phase of this site i.e. change in water table, stream flows, silt deposition and water-borne pollution. The impact is likely to be short-term. ○ The proposed development on a greenfield site is near the Potterton Burn, which has a moderate water quality rating. ○ The effect on the water environment also depends on potential deterioration of a waterbody, and the extent to which the allocation connects to the public sewage infrastructure. ○ With the information on the quality of water around the site, the cumulative effects can be significant in the longer term for the Potterton Burn. 	-/?

Climatic Factors	0	<ul style="list-style-type: none"> ○ The development risks a long-term negative impact due to the potential for increased travel requirements (the need to travel long distances to services). However, a development on this scale is unlikely to have any significant effect on CO₂ emissions. 	0
Soil	0	<ul style="list-style-type: none"> ○ The proposed development is likely to have short-term adverse effects on soil through soil erosion, desegregation, compaction and pollution during construction phases. 	0
Biodiversity	0/+	<ul style="list-style-type: none"> ○ The development is of a scale and in a location that is unlikely to negatively affect a nature conservation site or wider biodiversity. ○ Biodiversity enhancements are proposed, which would have a long-term positive impact. 	0/+
Landscape	-	<ul style="list-style-type: none"> ○ The landscape experience is likely to change - openness, scale, line, pattern, solitude, naturalness will change. This could be mitigated by strategic landscaping. ○ Furthermore, given that over a long-term, what gets developed becomes part of the landscape, the effects are only likely to be medium-term. 	0/-
Material Assets	-	<ul style="list-style-type: none"> ○ The proposal will lead to a significant increase in pressure on Balmedie Primary School and need a new sewage treatment work. ○ Consultation with relevant infrastructure providers will be required to identify mitigation measures, and if allocated, the Settlement Statement will specify how to mitigate against these effects. ○ However, there are no services in this hamlet. 	0/-
Population	+/0	<ul style="list-style-type: none"> ○ Mix of semi and detached homes from 1-4+ bedrooms are proposed resulting in a housing choice for most groups of the population. 25% of the site will be for affordable homes. 	+/0
Human Health	0	<ul style="list-style-type: none"> ○ A loop is proposed with some green space, with the play area next to the existing tree belt. A footpath link is proposed to the B999. ○ The population is not at risk from hazardous developments. 	0
Cultural Heritage	0/?	<ul style="list-style-type: none"> ○ The development is unlikely to weaken the sense of place, and the identity of Whitecairns, as it mostly comprises of detached houses, the oldest located at the T-junction and the newest to the north. ○ Nearby are former buildings that are listed in the Sites and Monuments Record, but most have been destroyed. An archaeology survey could be requested if the site is allocated. 	0/?
Key	+ = positive effect ++ = significant positive effect - = negative effect -- = significant negative effect 0 = neutral effect ? = uncertain effect		