

Submitted to Client

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Lincolnshire Lakes Area Action Plan – Main Modifications

Habitats Regulations Assessment

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1 Introduction

1.1 Scope of the project

AECOM (formerly URS Infrastructure & Environment UK Limited) was appointed by North Lincolnshire Council to assist the Council in undertaking a Habitats Regulations Assessment (HRA) of the Lincolnshire Lakes Area Action Plan (AAP). As the final stage of that process, AECOM was asked to consider the Main Modifications proposed by the Planning Inspector who examined the AAP, in order to confirm that they do not change the prior conclusions of the HRA process.

The objective of the assessment remains to identify any aspects of the AAP that had the potential to cause a likely significant effect on Natura 2000 or European sites (Special Areas of Conservation (SACs), Special Protection Areas (SPAs) and Ramsar sites), either in isolation or in combination with other plans and projects, and to devise appropriate mitigation strategies where such effects were identified.

1.2 Legislation

The need for HRA/Appropriate Assessment (AA) is set out within Article 6 of the EC Habitats Directive 1992, and interpreted into British law by the Conservation of Habitats & Species Regulations 2010 (as amended). The ultimate aim of the Habitats Directive is to "*maintain or restore, at favourable conservation status, natural habitats and species of wild fauna and flora of Community interest*" (Habitats Directive, Article 2(2)). This aim relates to habitats and species, not the European sites themselves, although the sites have a significant role in delivering favourable conservation status. European sites (also called Natura 2000 sites) can be defined as actual or proposed/candidate Special Areas of Conservation (SAC) or Special Protection Areas (SPA). It is also Government policy for sites designated under the Convention on Wetlands of International Importance (Ramsar sites) to be treated as having equivalent status to Natura 2000 sites.

The Habitats Directive applies the precautionary principle to protected areas. Plans and projects can only be permitted having ascertained that there will be no adverse effect on the integrity of the site(s) in question. This is in contrast to the SEA Directive which does not prescribe how plan or programme proponents should respond to the findings of an environmental assessment; merely that the assessment findings (as documented in the 'environmental report') should be 'taken into account' during preparation of the plan or programme. In the case of the Habitats Directive, plans and projects may still be permitted if there are no alternatives to them and there are Imperative Reasons of Overriding Public Interest (IROPI) as to why they should go ahead. In such cases, compensation would be necessary to ensure the overall integrity of the site network.

In order to ascertain whether or not site integrity will be affected, an Appropriate Assessment should be undertaken of the plan or project in question:

Box 1. The legislative basis for HRA/Appropriate Assessment

Habitats Directive 1992

Article 6 (3) states that:

"Any plan or project not directly connected with or necessary to the management of the site but likely to have a significant effect thereon, either individually or in combination with other plans or projects, shall be subject to appropriate assessment of its implications for the site in view of the site's conservation objectives."

Conservation of Habitats & Species Regulations 2010 (as amended)

The Regulations state that:

"A competent authority, before deciding to ... give any consent for a plan or project which is likely to have a significant effect on a European site ... shall make an appropriate assessment of the implications for the site in view of that sites conservation objectives... The authority shall agree to the plan or project only after having ascertained that it will not adversely affect the integrity of the European site".

1.3 Lincolnshire Lakes AAP

The AAP seeks to develop a significant area of land in proximity to the existing settlement of Scunthorpe. In considering the physical scope of the assessment we were guided primarily by the identified impact pathways rather than by arbitrary 'zones'. Briefly defined, pathways are routes by which a change in activity within the AAP area can lead to an effect upon a European site. CLG guidance states that the AA should be '*proportionate to the geographical scope of the* [plan policy]' and that '*an AA need not be done in any more detail, or using more resources, than is useful for its purpose*' (CLG, 2006, p.6).

The following European sites have been included in the scope of this assessment, based on the presence of potential impact pathways:

• The Humber Estuary SAC, SPA and Ramsar sites.

1.4 This report

Since this report is building upon previous iterations of HRA work it does not seek to re-examine the AAP in its entirety but to focus specifically on the implications of the Main Modifications. Equally, this document does not set out the methodology for HRA or the reasons for designation of the Humber Estuary as SAC, SPA or Ramsar site as all that information is contained in previous reports. For an HRA of the entire Area Action Plan, readers are referred to the submission stage HRA report (October 2014).

2 Likely significant effects of the main modifications

During the HRA of the submission stage AAP four potential impacts of the AAP upon the SAC, SPA and Ramsar sites were examined:

- Urbanisation;
- Recreational disturbance;
- Air pollution; and
- Loss of supporting habitat

The Main Modifications have therefore been considered within the context of these impact pathways. In each case the question investigated has been 'does this modification result in a likely significant effect that was previously screened out?'

2.1 Urbanisation

The nearest village proposed within the AAP will be 1.3km from the SAC/Ramsar site at its closest, with most of the development being 2-5km away. The plans also indicate that no vehicular access will be provided to the riverbank adjacent to the SAC/Ramsar, nor will public footpaths be provided in this direction from the development. The Main Modifications do not change the location of any villages nor do they introduce vehicular access to the riverbank adjacent to the SAC/Ramsar site. Therefore there is no likelihood of the Humber Estuary Ramsar site becoming 'urbanised' as a result of the Main Modifications. No likely significant effect would therefore arise from this pathway.

2.2 Recreational activity within the SAC/SPA/Ramsar site

The submission stage (final option) AAP proposed a total of 6,077 new dwellings to be delivered. This will materially contribute to the delivery of 9,892 new dwellings in Scunthorpe, a large part of part of 12,063 dwellings to be delivered in North Lincolnshire under the North Lincolnshire Core Strategy (2011) between 2010 and 2026.

The Main Modifications propose increasing the total number of dwellings across the villages by 227 to 6,304.

Although the Humber Estuary Ramsar site (lower River Trent) lies relatively close to the Lincolnshire Lakes area (approximately 1.3km from the nearest proposed village), scrutiny of aerial photography and mapping identifies that there are no Public Rights of Way along or into the Ramsar site until north of Gunness, approximately 2.5km to the north of Lincolnshire Lakes, and even at that point an embankment effectively shields the Ramsar site. The Lincolnshire Lakes AAP does not propose introducing a new access to the River Trent, particularly not in its internationally designated sections. All residential development will be to the south of the existing railway line, across which there is currently no foot access. Therefore, there is very little likelihood of walkers, cyclists, and dog walkers directly accessing the European sites from their homes. Moreover, the lower River Trent is of international importance primarily for its intertidal habitats and river and sea lamprey on migration between their coastal and spawning locations, which are considerably less vulnerable to disturbance than those areas covered by the SPA designation, much further downstream.

In order to determine the likely effect on the rest of the Humber Estuary SAC/SPA/Ramsar site, the visitor survey for the European site undertaken by Footprint Ecology has been utilised. For this survey, a total of 614 face-to-face interviews were conducted with visitors at 20 different survey points, with the majority of fieldwork conducted during the winter November 2011 – March 2012 since this is the period when bird populations are highest and therefore most vulnerable to disturbance. Eighty-eight percent of visitors interviewed were local residents visiting on a short trip or day trip from home. Dog walking was the main activity undertaken (40% of interviewed visitors) and other activities included walking (27% of interviews), wildlife watching (13%), family outing (3%), fishing (3%), airborne activities (3%), cycling (2%) and jogging (2%). Very uncommon activities (1% or less) included bait digging, kite surfing, and use of off-road vehicles. No one was interviewed who stated that their main activity was wildfowling, canoeing or windsurfing. Most (70%) of interviewees arrived at sites by car. Home postcodes indicated people travelling from their home lived a median distance of 4.4km from the survey point.

During visitor surveys, the nearest location to Scunthorpe where significant visitor activity coincided with an area of key importance for birds was Blacktoft RSPB reserve (point 12 in the visitor survey; most visitors were bird watchers who will know enough to minimise disturbance). Although there are several other key areas for birds such as Alkborough Flats at a similar distance from Scunthorpe, only very small numbers of visitors were recorded there. Aside from being an RSPB reserve mainly visited by birdwatchers (rather than being an area used by the general public for dog walking etc.), Blacktoft RSPB reserve is over 10km from the Lincolnshire Lakes area, much further than the 4km median distance travelled between place of residence and the SPA/Ramsar site. This is reflected in the findings of the visitor survey that although 614 people were interviewed, only 11 came from Scunthorpe (1.8% of the total). Scunthorpe as a whole therefore currently makes an effectively trivial contribution to recreational activity within the SPA.

If one takes a very precautionary approach and assumes a typical occupancy of 2.4 people/dwelling and that all of these would be newcomers to Scunthorpe (rather than existing residents being re-housed) this would mean a worst-case scenario potential increase of up to 36.5% in the population of Scunthorpe from Lincolnshire Lakes and other Core Strategy housing within Scunthorpe combined (from a current population of 80,750 to approximately 110,246). If one increases the percentage of visitors to the Humber Estuary attributable to Scunthorpe pro rata that would mean that there would be an approximately 0.7% increase in visitors to the Humber Estuary SAC/SPA/Ramsar site attributable to the Lincolnshire Lakes development (1.8*0.365 = 0.66). The additional 227 dwellings make a negligible contribution to the overall increase in visitors from the Scunthorpe area and the overall contribution is essentially identical to that calculated for the submission stage HRA in October 2014. The number of visitors to the European sites arising from Scunthorpe would therefore barely change and Scunthorpe would continue to make a trivial contribution to visitors, even making very precautionary assumptions about population change. Since the contribution from Scunthorpe is, and would continue to be, effectively neutral there would be no likely significant effect either alone or in combination with other projects and plans as a result of recreational disturbance.

2.3 Loss of Supporting Habitat

The Lincolnshire Lakes development plan will retain the area used by the golden plover as agricultural land and the nearest village will be located 1.5km distant. Neither of these will change as a result of the Main Modifications. Therefore, it can thus be concluded that the Lincolnshire Lakes AAP will not lead to any likely significant effects on the Humber Estuary SPA or Ramsar site through loss of supporting habitat of value to designated bird species.

2.4 Disturbance of SPA/Ramsar bird flocks on farmland

Since the fields north-west of Lincolnshire Lakes support the equivalent of 7.5% of the Ramsar population of golden plover, it is important to ensure that they continue to be able to support these flocks.

Under the AAP, the nearest village will be 1.5km from the nearest important areas of arable land. On this basis it was concluded in the submission AAP HRA that there would be no likely significant disturbance effect on the interest features of the Humber Estuary SAC, SPA and Ramsar site due to the Lincolnshire Lakes AAP alone or in combination with other plans and projects. The Main Modifications do not change the location of any of the villages such that this conclusion still stands.

2.5 Air Quality

The AAP will not include any new roads within 200m of the European sites. Road improvements are projected as part of the project with a new M181 junction to facilitate access. This is not likely to lead to increased traffic within 200m of the European sites. Transport proposals for the AAP are aimed at directing road traffic east (into Scunthorpe) or south towards the motorway, rather than west or north towards the SAC/Ramsar site. Therefore, it is concluded that the Lincolnshire Lakes AAP will not lead to likely significant effects on the Humber Estuary SAC/Ramsar site through traffic-related air quality. The Main Modifications will not alter any of these conclusions. As such the previous conclusion of no likely significant effect stands.

2.6 Other plans and projects

There are no other plans and projects that would potentially lead to direct impacts on the farmland north of Lincolnshire Lakes that has been identified as being important for SPA/Ramsar birds. The Humber Estuary Coastal Defence Strategy and the Humber Estuary Shoreline Management Plan have both been identified through their own HRAs as leading to adverse effects on the Humber Estuary SAC/SPA/Ramsar site primarily through coastal squeeze. However, since the Lincolnshire Lakes project does not propose advancing the line of the flood defences along the River Trent, or

introducing new defences into currently undefended stretches of the River there is no mechanism for an 'in combination' effect.

Development elsewhere in North Lincolnshire, where 12,063 new dwellings will be delivered under the Core Strategy, could in theory also lead to increased traffic movements over the A18 at King George V Bridge. However, the SAC/Ramsar site interest features at this location (intertidal mudflat) are not considered particularly susceptible to NOx emissions and nitrogen deposition from the atmosphere and the SAC/Ramsar site at this point lies below its critical level/load for both NOx and nitrogen deposition according to the UK Air Pollution Information System and is forecast by that same system to be even further below by 2020.

Increased housing and residential development elsewhere within the recreational catchment of the Humber Estuary SAC/SPA/Ramsar site, as defined within the recent visitor study for that site, could lead to increased recreational pressure when considered collectively, depending upon the population increases involved and the specific locations at which development will be delivered. However, it has already been established that the Lincolnshire Lakes development will, because of the small proportion of visitors who derive from the Scunthorpe area, lead to an essentially neutral effect on visitor numbers within the SAC/SPA/Ramsar site. As such, Lincolnshire Lakes will have a neutral effect on visitor numbers even if visitor pressure from other settlements increases.

It can therefore be concluded that there would be no likely significant effect of the Lincolnshire Lakes development 'in combination' with other projects and plans.

3 Overall Conclusion

It has been possible to conclude that the Main Modifications to the Lincolnshire Lakes AAP will not lead to likely significant effects on the Humber Estuary SAC, SPA or Ramsar site, either alone or in combination with other plans and projects.

Appendix A – Lincolnshire Lakes AAP Main Modifications and HRA Screening Outcome

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
MM1	20	Development Objective 4	Amend Development Objective 4 to replace and insert additional wording as follows: 'To see building regulations as a minimum requirement <u>a high standard</u> in terms of sustainable design and to explore innovative approaches to delivering energy & waste solutions (see policy SD1).'	None – no pathway of impact exists
MM2	34	Proposals Map	Remove the Persimmon Homes Ashby Decoy site, subject to planning application reference PA/2015/0597, from the Local Wildlife Site designation.	None – no pathway of impact exists
MM3	34	Proposals Map	Amend the reference key to include the following number of dwellings for the villages: ^{(V1 643690} dwellings V2 1217 <u>1188</u> dwellings V3 987 dwellings V4 769 dwellings V5 1100 dwellings V6 1361 <u>1570</u> dwellings	Potentially – a pathway of impact due to an increase in the number of dwellings does exist. This is considered further in the main body of this report. The ultimate conclusion of that analysis is that no likely significant effect will result. Please read the main body of the report for further details.
MM4	38	4.8-4.10	Amend the supporting text by merging paragraphs 4.8, 4.9 and 4.10 and wording as follows: 'Given the significant up-front infrastructure costs associated with the AAP and with the recent recession, it is accepted that lower levels of affordable housing may need to be supported based on open book discussions with the Council at the planning application stage. In line with Policy CS9 for the Rural Settlements Scunthorpe urban area, affordable housing provision will be sought for developments of 15 or more dwellings. Given the significant up-front infrastructure costs associated with the AAP and with the recent recession, it is accepted to be supported based on open book discussions with the AAP and with the recent recession, it is accepted based on open book discussions with the AAP and with the recent recession, it is accepted based on open book discussions with the AAP and with the recent recession, it is accepted based on open book discussions with the AAP and with the recent recession, it is accepted based on open book discussions discussions with the AAP and with the recent recession, it is accepted based based on open book discussions discussions with the AAP and with the recent recession, it is accepted based b	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			that lower levels of affordable housing may need to be supported based on open book discussions with the Council at the planning application stage. Also in line with Policy CS9, where it can Should it be demonstrated that the percentage of affordable housing sought negatively impacts on the delivery of a mixed community, or is subject to exceptional and authenticated site development costs, there may be a case for reducing the affordable housing. This should be proven through open book discussions at the planning application stage.	
MM5	38	H1	Amend policy H1 to modify the approximate number of dwellings to be delivered in each of the villages as follows: 'Village 1: approximately 643 <u>690</u> dwellings Village 2: approximately 1,217 <u>1,188</u> dwellings Village 3: approximately 987 dwellings Village 4: approximately 769 dwellings Village 5: approximately 1,100 dwellings Village 6: approximately 1,361 <u>1,570</u> dwellings'	Potentially – a pathway of impact due to an increase in the number of dwellings does exist. This is considered further in the main body of this report. The ultimate conclusion of that analysis is that no likely significant effect will result. Please read the main body of the report for further details.
MM6	39	H2	Amend the final paragraph of the policy to replace the percentage of affordable housing from 5% to 20% to read as follows: 'Up to $\frac{5\%}{20\%}$ of the dwellings will be required to be affordable homes for developments of greater than 15 dwellings. Affordable housing provision of less than $\frac{5\%}{20\%}$ will be subject to assessment of viability (with a full viability assessment to be provided by the developer) and subject to agreement by the Council on a case by case basis.	None – no pathway of impact exists
MM7	39	4.15	Insert additional text to paragraph 4.15 to read as follow: "The new Primary Schools in the AAP area will be expected to function as 'wraparound' services, ensuring that they are designed to allow for community use of facilities outside of core school hours. This will include the community use of play pitches. <u>At the planning application stage the</u> <u>Council will stipulate if necessary to have Community Use Agreements</u> <u>as part of their planning conditions in order to make the facilities of the</u> <u>school available (when their use is not required by the school).</u>	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
MM8	40	SC1	Amend the policy to insert additional text as follows: "Secondary School provision may take the form of on-site provision, or off-site provision, to be agreed with the Local Education Authority <u>subject</u> to the demonstration of need."	None – no pathway of impact exists
MM9	42	SC2	Amend final sentence of the second paragraph of the policy as follows: "This is broken down into the following <u>indicative</u> thresholds" Amend the first sentence of the third paragraph of the policy as follows: "Each village will include up to one small convenience store of up to <u>approximately</u> 200m2 (gross)"	None – no pathway of impact exists
MM10	45	Movement Plan	Amend the Movement Plan to show the proposed signalised junction to the north of the M181 Northern Junction Roundabout.	None – no pathway of impact exists
MM11	47	T3	Amend the policy to insert additional bullet point: <u>'New planting around the new junction will soften its appearance and</u> <u>enhance its gateway role to the town while increasing biodiversity</u> enhancement.'	None – no pathway of impact exists
MM12	47	Τ4	Amend the policy to insert additional bullet point: <u>'New planting around the new junction will soften its appearance and</u> <u>enhance its gateway role to the town while increasing biodiversity</u> <u>enhancement.</u>	None – no pathway of impact exists
MM13	48	T5	Amend the policy to insert additional bullet point: <u>'New planting along the route will soften its appearance and enhance its</u> <u>gateway role to the town while increasing biodiversity enhancement.</u> '	None – no pathway of impact exists
MM14	48	Т6	Amend the fourth bullet point as follows: <u>'</u> Tree planting and landscaping will create an 'avenue' character, enhancing both the residential setting and biodiversity.'	None – no pathway of impact exists
MM15	49	T7	Insert an additional sentence at the end of the policy to read as follows:	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			<u>'Tree planting and landscaping will be designed to contribute to the green infrastructure network and enhance biodiversity.</u> Insert new paragraph after paragraph 4.74 to read as follows:	
MM16	52	4.74	"Paragraph 4.61 of the LLAAP explains the potential relocation of the railway station at Althorpe to within the Lincolnshire Lakes area to be retained as an aspirational aim and the Council recognises Network Rail's position that such a new railway station is currently unviable (as reference in paragraph 4.61). Whilst the Council together with the support of Network Rail intends to keep this project under review it is likely that development will create some additional passenger usage at Althorpe and Scunthorpe railway stations. In this respect it is reasonable to expect some additional car park and cycle facilities and improvement to access as a result of the Lincolnshire Lakes development."	None – no pathway of impact exists
MM17	52	T12	 Amend the title of the policy, the first paragraph, insert an additional section listing two further bullet points following the first bullet point list and insert additional text within second paragraph as follows: "POLICY T12: OFF-SITE HIGHWAYS TRANSPORT IMPROVEMENTS" "Off-site highways transport improvements will be required in the vicinity of the built development areas to connect the on-site Strategic Route and Primary Route network to the existing road network and ensure future capacity. Improvements will be required at the following junctions:" "Berkeley Circle roundabout (junction capacity contribution to upgrade) The following off-site cycle and car parking improvements will also be required: Enhanced cycle parking facilities to be provided at Scunthorpe and Althorpe railway stations" "Each submitted application should assess the impact of the proposed 	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			development on their junctions and railway stations, both individually and cumulatively with other Lincolnshire Lakes proposed developments. Other junction upgrades may be required across the Scunthorpe road networks. An assessment of these impacts may be required on an application by application basis in consultation with the Council Highways Authority."	
MM18	56	4.92	Amend the first paragraph of supporting text paragraph to read as follows: 'It is also a requirement of the Environment Agency to produce a Flood Evacuation Plan with any new development located within Flood Zones 2 and 3. It is a requirement of National Planning Policy for the developer to produce a Flood Evacuation Plan within Flood Zone 2 and 3. It is a requirement of National Planning Policy for the developer to produce a Flood Evacuation Plan within Flood Zone 2 and 3. In compliance with National Planning Practice Guidance, in consultation with North Lincolnshire emergency planning team, the local planning authority will need to ensure that evacuation plans are suitable through appropriate planning conditions or planning agreements on individual detailed planning applications. These individual Flood Evacuation Plans will inform the local planning authority in producing an integrated Flood Evacuation Plan which considers the existing villages/properties within the AAP site boundary including Burringham and Gunness. It will be provided to all residents and users within the development and include the following information:'	None – no pathway of impact exists
MM19	56	F1	Amend the penultimate sentence of the first paragraph to read as follows: "Future flood management solutions identified in consultation with the Environment Agency that will assist in the delivery of the Lincolnshire Lakes should be considered. Any further flood risk management proposals will have to be agreed by the Environment Agency and North Lincolnshire Council."	None – no pathway of impact exists
MM20	58	F1	Amend the third paragraph to read as follows: "A Flood Evacuation Plan will also be developed for the Lincolnshire Lakes development, which will also include the consideration of existing dwellings/settlements in the AAP area (Burringham & Gunness). An Integrated Flood Evacuation Plan will be prepared and implemented for	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
MM21	58	F1	 the Lincolnshire Lakes development and the existing surrounding villages in the AAP area (Burringham and Gunness) by the council through negotiations with individual developers and emergency planners. The plan will require a safe access route to be provided between the existing villages of Burringham and Gunness and the Lincolnshire Lakes development. Amend the first sentence of the fourth paragraph as follows: "Each applicant must provide a fully considered flood mitigation solution that is in keeping with these principles and it must demonstrate a positive contribution towards the comprehensive management strategy. Each applicant must provide a fully considered flood mitigation solution within a Flood Risk Assessment (FRA). This should be in keeping with the principles laid out in this policy and Core Strategy Policy CS19, be based on the latest and best information available and support the Flood Management and Drainage Strategy. The FRA should include details of: An assessment of the impact of the development on ground water levels. Appropriate flood risk mitigation. A drainage scheme to be consistent with the existing broader strategy. An assessment of the ongoing maintenance requirement of the mitigation including how and by whom these will be managed over the lifetime of the development will be required with any Full and Reserved Matters Planning Application. A phasing strategy to ensure development does not proceed ahead of necessary flood defence and surface water drainage 	None – no pathway of impact exists
			infrastructure will be required with any Full or Reserved Planning Application." Amend the policy to include additional bullet point for Lake 3 as follows:	
MM22	60	L1	' <u>The creation of small ponds to complement the ecological value of this</u> Lake is encouraged.'	None – no pathway of impact exists
MM23	60	L1	Amend the policy to include additional an additional bullet point for Lake 4 as follows: 'The creation of small ponds to complement the ecological value of this	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			Lake is encouraged.'	
MM24	60	L1	Amend the policy to include an additional sentence to the second paragraph as follows: 'Lake 3 and 4 will primarily be provided for ecological enhancement purpose, and a design providing for surface water attenuation requirements and biodiversity enhancements only will be considered acceptable. The exact form, function and technical specification for each lake should be informed by more detailed masterplanning exercises for each landholding taking the following requirements as a starting point.' Amend the second bullet point of the Lake 3 second to read as follows: 'The surface area of the lake should be approximately 10ha Lake 3 will be delivered as a single lake or a series of open water and wetland habitats (approximately 10 hectares if delivered as a single waterbody).'	None – no pathway of impact exists
MM25	62	L2	Amend the policy to include additional bullet point as follows: <u>'Drainage infrastructure should promote biodiversity enhancement.</u> <u>Surface water run-off must be 'polished', possibly by reedbeds, to ensure</u> <u>that lakes are not polluted by surface water.'</u>	None – no pathway of impact exists
MM26	62	L2	 Amend the policy to insert additional wording to the first two bullet points: '• Creation of new swales, <u>small ponds</u> and/or ditches to drain the new development areas in a way that is sensitive to the opportunities to <u>enhance the ecology of the drainage system</u> • The re-sizing or re-grading of existing (non-IDB) watercourses and/or ditches in a way that is sensitive to the opportunities to enhance the ecology of the drainage system' 	None – no pathway of impact exists
MM27	62	4.116	Insert an additional paragraph after paragraph 4.116 as follows: <u>"Regard should also be had to the broader functional and technical /</u> <u>environmental considerations on an application by application basis, and</u> <u>the approach set out in the Council's adopted SPG10 – Provision of</u>	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			Open Space in New Housing".	
MM28	64	Green Infrastructure Map	Reduce the width of the green buffer, illustrated as Natural/Semi-Natural Green Space and Landscape Strategy, northwards towards the south of Village 4, to be in line with the southern edge of the existing drain to the south of Moor Lane.	None – no pathway of impact exists
MM29	65	4.124	Amend the supporting text through the insertion of additional wording at the end paragraph 4.124: <u>'Lincolnshire Lakes also falls within the Humberhead Levels Nature</u> <u>Improvement Area which aims to create an internationally renowned,</u> <u>unique network of wetlands in a predominantly agricultural landscape,</u> <u>whilst supporting thriving communities and wildlife. Regard will be given</u> to assisting with the aims and objectives of the Humberhead Levels <u>Partnership wherever possible.</u> '	None – no pathway of impact exists
MM30	69	4.136	Amend the paragraph as follows: 'The AAP Delivery Strategy has also considered the requirements associated with the Code for Sustainable Homes and Building Regulations and demonstrates that as a minimum Building Regulations should be applied. The Code for Sustainable Homes was withdrawn in March 2015 and replaced with a new set of streamlined national technical standards. This comprises additional optional Building Regulations on water and access, and a national space standard (new national technical standards). This system complements the existing set of Building Regulations, which are mandatory. Current proposed Government amendments are suggesting the phasing out of the Code for Sustainable Homes as a mandatory standard, with certain elements included in revised Buildings Regulations and therefore the approach taken by the AAP is for continuation of the Code until it removed and replaced by amended Building Regulations. BREEAM Very Good should be the minimum level achieved for non-residential development. Another measure for non-residential development is the level of performance in the Energy Performance Certificate (EPC). An EPC threshold set at 40 roughly equates to the energy performance that is expected to be delivered on a 'Very Good' building, although BREEAM no longer uses the national EPC as a measure.'	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
MM31	69	SD1	Amend the first paragraph of policy SD1 to read as follows: "Applications for development should be accompanied by an assessment that considers the opportunities and measures considered for delivering and resource efficient sustainable development and for future services provision (for example IDNO model)."	
MM32	69	SD1	Amend the second paragraph of the policy as follows: 'Achieving Code for Sustainable Homes Levels 5 and 6 (or future equivalent) should be a target for residential development in the AAP area until superseded by changes to Government policy. Where this is not achievable, reasoned justification should be provided by an applicant. Achieving the Governments' national technical standards should be the target for residential development in the AAP area. Where this is not achievable reasoned justification should be provided by an applicant. Building Regulations will remain a baseline standard that must be achieved.'	None – no pathway of impact exists
MM33	72	SSA1 Map	Amend the SSA1 Map to show the proposed signalised junction to the north of the M181 Northern Junction Roundabout	None – no pathway of impact exists
MM34	73	SSA1	Amend the policy to include an additional bullet point under Master planning Principles:, following the first, as follows: <u>'Secondary access may be delivered from the De-trunked M181 to the north of the new Junction North'</u>	None – no pathway of impact exists
MM35	77	SSA2	Amend the first two bullet points under Development Requirements as follows: 'Village 1 (approximately 29ha of housing development) – approximately 643 <u>690</u> dwellings, with a Local Centre (300m ² gross shopping floorspace) Village 2 (approximately 57ha of housing development) – approximately 1,217 <u>1,188</u> dwellings, with a Local Centre (300m ² gross shopping floorspace)	Potentially – a pathway of impact due to an increase in the number of dwellings does exist. This is considered further in the main body of this report. The ultimate conclusion of that analysis is that no likely significant effect will result. Please read the main body of the report for further details.

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
MM36	77	SSA2	Amend the policy to include an additional bullet point to the masterplanning principles to read as follows: <u>'Biodiversity enhancement, such as bat lofts, in the built environment</u> <u>should be concentrated near areas of woodland and wetland.</u>	None – no pathway of impact exists
MM37	80	SSA3 Map	Reduce the width of the green buffer, illustrated as Natural/Semi-Natural Green Space and Landscape Strategy, northwards towards the south of Village 4, to be in line with the southern edge of the existing drain to the south of Moor Lane.	None – no pathway of impact exists
MM38	81	SSA3	Amend the policy to include an additional bullet point to the masterplanning principles to read as follows: <u>'Biodiversity enhancement, such as bat lofts, in the built environment</u> <u>should be concentrated near areas of woodland and wetland.</u>	None – no pathway of impact exists
MM39	85	SSA4	Amend the second bullet point of the policy to read as follows: <u>'</u> Approximately 38.99ha of natural and semi-natural greenspace surrounding the lake, <u>maximising opportunities for biodiversity</u> <u>enhancement'</u>	None – no pathway of impact exists
MM40	90	SSA5	Amend the policy to modify the second bullet point under Development Requirements as follows: 'Lake 3 (approximate4ly 10ha), to be used principally for wetland priority habitats / surface water attenuation for the village. Lake 3 will be delivered as a single lake or a series of open water and wetland habitats (approximately 10 hectares if delivered as a single waterbody).'	None – no pathway of impact exists
MM41	90	SSA5	Amend the policy to remove a bullet point from the masterplanning principles as follows: Dwellings next to the lake should be designed so that they front the waterside providing an exciting interface and a high quality housing environment for North Lincolnshire.	None – no pathway of impact exists
MM42	90	SSA5	Amend the policy to reword a bullet point from the masterplanning principles as follows: 'Landscaping buffers should be created to the western fringe of the <u>built</u> <u>footprint of the village</u> strategic site allocation in order to make a positive	None – no pathway of impact exists

Ref			Likely Significant Effect?	
			contribution to village edge lakeside habitat.	
MM43	143 94 SSA6 ⁽ Village 1,361		Amend the policy to modify the first bullet point under Development Requirements as follows: 'Village 6 (approximately 64ha of housing development) – approximately 1,361 1,570 dwellings, with a Local Centre (500m ² gross shopping floorspace) and a Primary School	None – no pathway of impact exists
MM44	94	SSA6	Amend the policy to remove a bullet point from the masterplanning principles as follows: Dwellings next to the lake should be designed so that they front the waterside providing an exciting interface and a high quality housing environment for North Lincolnshire.	None – no pathway of impact exists
MM45	94	SSA6	Amend the policy to reword a bullet point from the masterplanning principles as follows: 'Landscaping buffers should be created to the western fringe of the <u>built</u> <u>footprint of the village</u> strategic site allocation in order to make a positive contribution to <u>village edge lakeside habitat.</u> '	None – no pathway of impact exists
MM46	97	6.5	Amend the first sentence of the paragraph as follows: 'Phases 1-4 are broadly reflective of Strategic Site Allocations SSA1, part SSA2 and SSA4, with some very limited proposed development <u>SSA3</u> , SSA5 and SSA6.'	None – no pathway of impact exists
MM47	97	6.7	 Amend the paragraph as follows: 'Phases 1-4 (approximately 1,340-1,395 houses) will see the following key elements of built development take place: Residential development in Village 1 (with broad completion within that phase with continuation of development into Phase 5) and associated Local Centre development Residential development in Village 2 (with continuation of development in Phase 5), and associated Local Centre development Limited residential development in Villages 3,4,5 and 6 (with the bulk of development in Phase 5) and Primary School in Village 5 	Potentially – a pathway of impact due to an increase in the number of dwellings does exist. This is considered further in the main body of this report. The ultimate conclusion of that analysis is that no likely significant effect will result. Please read the main body of the report for further details.

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			The development of the Strategic Mixed Use Area	
			Amend the supporting text as follows:	
			'The AAP Sustainable Transport Strategy identifies that the de-trunked M181 Junction South must be installed ahead of the de-trunked M181 Junction North to effectively manage traffic during the remaining de-	
MM48	98	6.9	trunking/northern junction works. Although some overlap in construction periods may be possible subject to agreement with Highways England. <u>However, the M181 Junction North may be installed ahead of the M181</u> Junction South providing that there is agreement with Highways England	None – no pathway of impact exists
			that the M181 Junction North can be delivered safely and that there is certainty of funding for the M181 Junction South.	
MM49	98	6.10	Amend the last sentence of the paragraph as follows: 'Currently there is capacity within the local transport network to deliver 150 dwellings within the Lincolnshire Lakes area before improvements to the Berkeley Circle are required. Key junctions, including Berkeley Circle, will be monitored within 6 months of the occupation of the first dwelling and then on an annual basis to determine congestion trends, relative to the levels of congestion in 2014. At such point as each junction meets a pre-defined congestion trigger, the Council will draw upon contributions to fund appropriate works.	None – no pathway of impact exists
MM50	98	6.11	Insert a new paragraph follow paragraph 6.11 as follows: "Utilities such as water supply, sewerage, gas, electricity and telecommunications are key infrastructure elements in delivering Lincolnshire Lakes as a whole. Upgrades to the water supply network are expected to be required to serve the Lincolnshire Lakes site. The Infrastructure Delivery Schedule which forms part of the evidence base for the Area Action Plan states that they will be delivered on a site by site basis, as part of the planning applications process. Developers are responsible for funding and procuring appropriate network connections with relevant utilities providers. Where necessary developers will also be expected to fund of part fund improvements to the water supply network as set out in the Water Industry Act 1991. They are advised to contact relevant providers when preparing their proposals to discuss their requirements and identify where new, upgraded or enhanced	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			infrastructure is needed to support development and how this relates to the expected phasing of development. In terms of foul water infrastructure the council is working proactively with Severn Trent Water to support the development of a new trunk sewer which will serve the Lincolnshire Lakes development and solve existing capacity issues within the western trunk sewer which currently serves a large area west of Scunthorpe."	
MM51	99	6.16	 Amend the paragraph as follows: 'Phase 5 (approximately 4,737 4,909 houses) will see the following key elements of development take place: The bulk of residential development in Village 6, and associated Local Centre development <u>and Primary School'</u> 	Potentially – a pathway of impact due to an increase in the number of dwellings does exist. This is considered further in the main body of this report. The ultimate conclusion of that analysis is that no likely significant effect will result. Please read the main body of the report for further details.
MM52	100-101	Figure 6.1: Infrastructure Delivery Schedule	Amend Figure 6.1: Infrastructure Delivery Schedule, to provide the most up to date position with regard to housing and infrastructure delivery timescales and include in a new document entitled Infrastructure Delivery Schedule in order for the document to be a 'live' document that can be updated regularly."	None – no pathway of impact exists
MM53	102	6.18	Insert a new paragraph follow paragraph 6.18 as follows: <u>"Utilities such as water supply, sewerage, gas, electricity and</u> <u>telecommunications are key infrastructure elements in delivering</u> <u>Lincolnshire Lakes as a whole. Upgrades to the water supply network</u> <u>are expected to be required to serve the Lincolnshire Lakes site. The</u> <u>Infrastructure Delivery Schedule which forms part of the evidence base</u> for the Area Action Plan states that they will be delivered on a site by site <u>basis, as part of the planning applications process. Developers are</u> <u>responsible for funding and procuring appropriate network connections</u> with relevant utilities providers. Where necessary developers will also be <u>expected to fund of part fund improvements to the water supply network</u> <u>as set out in the Water Industry Act 1991. They are advised to contact</u> <u>relevant providers when preparing their proposals to discuss their</u> <u>requirements and identify where new, upgraded or enhanced</u> <u>infrastructure is needed to support development and how this relates to</u> <u>the expected phasing of development. In terms of foul water</u>	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			infrastructure the council is working proactively with Severn Trent Water to support the development of a new trunk sewer which will serve the Lincolnshire Lakes development and solve existing capacity issues within the western trunk sewer which currently serves a large area west of Scunthorpe. "	
MM54	102	6.23	Insert an additional paragraph after paragraph 6.23 to read as follows: <u>'Should the upfront infrastructure be delivered earlier in the plan period a</u> <u>flexible approach will be taken with regard to delivery of the later plan</u> <u>phases of residential development with villages 3, 4, 5 and 6. These</u> <u>later phases may be brought forward subject to the upfront infrastructure</u> <u>within phases 1 to 4 being delivered. It will be essential however that</u> <u>should later phased residential development within villages 3, 4, 5 and 6</u> <u>be brought forward that the necessary supporting infrastructure required</u> <u>as part of their delivery is brought forward also. For example, should the</u> <u>development within Village 5 be brought forward earlier, once the</u> <u>northern junction and Trent Bank reinforcement works have been</u> <u>completed, it will be required that Lake 3 is constructed at the same time</u> <u>as the Village to secure the required environmental mitigation and</u> <u>enhancements and the surface water attenuation solution in accordance</u> <u>with the Flood and Drainage Management Strategy.</u> '	None – no pathway of impact exists
MM55	102	D1	Amend policy D1 to read as follows: "Lincolnshire Lakes should be developed in two key phases, in line with the Infrastructure Delivery Schedule and any future updates."	None – no pathway of impact exists
MM56	102	D1	Remove references to the amount of dwellings in paragraph 3 and 4: "Phases 1-4 (1,340 houses ,Villages 1 & 2 Local Centres and the Strategic Mixed Use Area) broadly includes SSA1, part SSA2 and SSA4, with some very limited proposed development of SSA5 and SSA6." "Phase 5 (4,737 houses , Villages 3, 4 5 & 6 Local Centres, education provision, and District Centre) will broadly cover part SSA2, SSA3, SSA5 and SSA6."	None – no pathway of impact exists
MM57	104	6.28	Amend the text to remove the bullet point and replace with the following wording:	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			'Highways Agency Pinch Point Programme - £15,000,000 bid has been made to central government which, if successful, will fund the M181 southern junction to assist in the delivery of the de-trunking of the M181 and the creation of the new southern junction Highways England Growth and Housing Fund – includes an estimated current cost of the southern junction scheme of £13,000,000, subject to costs changing during the detailed design state, with a view that some 40% of the required funds will be from private developers and the remaining 60% will be sought from the fund. A decision on the scheme that will be supported through this fund is expected in Autumn 2015. If successful, this will fund the construction of the M181 southern junction to allow de-trunking of the M181 and the creation of the new northern junction. The funding of the detailed design of the terminating junction has been allocated by Highways England and this will progress alongside the process of trying to secure the funding for the construction.'	
MM58	105	6.40	 Amend the paragraph from the final sentence as follows: 'This will be coordinated through the Design Supplementary Planning Document. The AAP defines a context for the preparation of a Strategic Design Guide Supplementary Planning Document (SPD) following design quality and ensuring continuity between the AAP and the emerging schemes for Lincolnshire Lakes through Policies D3 and D4. The Strategic Design Guide SPD shall consist of: Part A Area Masterplan Framework – An Area Masterplan is to be prepared by the applicant in accordance with the Area Masterplan Framework, prior to the approval of any planning application Part B Strategic Design Code – Strategic Design Codes are to be prepared by applicants in advance of reserved matters applications.' 	None – no pathway of impact exists
MM59	106	6.45	Amend the final sentence of the paragraph to refer to the Design SPD as the following: ' <u>Strategic</u> Design <u>Guide</u> Supplementary Planning Document.'	None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincoln	shire Lakes Area Action Plan	Likely Significant Effect?
MM60	107	D4	Amend the policy to replace references to the 'Design SPD' to 'Part A of the Strategic Design Guide SPD'.		None – no pathway of impact exists
MM61	107	D4	Amend the policy to insert an additional sentence to the first paragraph as follows: 'Prior to the approval of any planning application within any of the AAP strategic site allocations, an area masterplan framework shall be		None – no pathway of impact exists
MM62	110	Figure 6.2 Local Monitoring Indicators	Amend the table to insert additional i INDICATOR If over any continuous three year period the net additional housing requirement varies by more than 20% the allocated contingency sites will be brought forward through the Housing and Employment Land Allocations Development Plan Document.	ndicator and target as follows: TARGET Lincolnshire Lakes average housing requirement is 484 dwellings. If over a continuous three year period the net additional housing requirement delivers less than 387 dwellings per annum the contingency site will come forward through the housing and employment land allocation DPD. If the event of an identified shortfall (20% below 484) the council will cover the under delivery through a new local plan.	None – no pathway of impact exists
MM63	110	Figure 6.2 Local Monitoring Indicators	Amend the table to insert two additional indicators and targets as follows: INDICATOR TARGET Area of new habitat created, To meet local and regional		None – no pathway of impact exists

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			restored or enhanced to meet the following priority habitat definitions: biodiversity targets • Ponds, • Mesotrophic lakes, • hedgerows, • lowland mixed deciduous woodland, • wet woodland, • lowland dry acid grassland, • lowland meadows, • coastal and floodplain grazing marsh, • reedbeds, • open mosaic habitats on previously developed land. Number of buildings with bird nesting or bat roosting features included. To meet local and regional biodiversity targets	
MM64	111	Infrastructure Delivery Plan	Remove Appendix 1 'Infrastructure Delivery Plan' and insert within a new document entitled Infrastructure Delivery Schedule.	None – no pathway of impact exists
MM65	111	Infrastructure Delivery Plan	Amend the table as follows: 'Phase 1-4 (indicative 1,340 dwellings – 5 years 2014-1019 <u>2015-2020</u>) Strategic Site Allocation 2 • Village 1 – 640 <u>370</u> dwellings • Village 2 – 600 <u>660</u> dwellings <u>Strategic Site Allocation 3</u> • <u>Village 3 – 50 dwellings</u> • <u>Village 4 – 50 dwellings</u> Strategic Site Allocation 5 • Village 5 – 50 <u>195</u> dwellings	Potentially – a pathway of impact due to an increase in the number of dwellings does exist. This is considered further in the main body of this report. The ultimate conclusion of that analysis is that no likely significant effect will result. Please read the main body of the report for further details.

Ref	Page	Policy/Paragraph	Main Modification	s to Lincolnshire Lake	s Area Action Plan	Likely Significant Effect?
			follows: Berkeley Circle	<u>) dwellings</u> Transport and Highw ' Prior to the	ays within the table as	
MM66	111	Infrastructure Delivery Plan	Highway Improvements, Scunthorpe – Improvements to a key junction forming the western approach to Scunthorpe, to reduce the existing congestion and increase capacity to accommodate the Lincolnshire Lakes sustainable village concept and a series of planning housing, commercial and leisure developments.	completion of the 151 st -dwelling-Pre- defined congestion trigger using a baseline of congestion levels in 2014'	Berkeley Circle will enable 500 dwellings to be developed within Villages 1 and 2 before the new junctions on the de- trunked M181 southern junction have been completed.	None – no pathway of impact exists
			Strategic Route B1450 Burringham Road improvements	Prior to the completion of 310 th dwelling <u>in the</u> <u>southern part of</u> <u>Village 2</u>	-	
			Strategic Route Junction improvement B1450 Burringham Road / Scotter Road capacity upgrade	Prior to the completion of 310 th dwelling <u>in the</u> <u>southern part of</u> <u>Village 2</u>	-	
			Junction of Strategic	Prior to the	-	

Ref	Page	Policy/Paragraph	Main Modification	s to Lincolnshire Lakes	Area Action Plan	Likely Significant Effect?
			Route / Primary Road Route between Village 2 and 3	completion of the 310 th dwelling <u>in</u> <u>Village 3 and the</u> <u>southern part of</u> <u>Village 2</u>		
			De-trunking of the M181 Motorway	Prior to the completion of the 501 st dwelling (Completed by March 2016 -2018)	-	
			M181 Southern Junction	Prior to the completion of the 501 st dwelling <u>in</u> <u>Villages 2 (southern</u> <u>part),3 and 4</u> (Completed by March 2015 2018)	-	
			M181 Northern Junction	Prior to the completion of the 501 st dwelling <u>in</u> <u>Lucent land holdings</u> (Completed by March 2015 <u>2018</u>)	-	
			M181/A18 Junction Improvements	This infrastructure will be delivered through the Marks and Spencer's Retail Development	-	
MM67	114	Infrastructure Delivery Plan	Amend the table as follo 'Phase 5 (indicative 4,7 2028) Strategic Site Allocation Village 1 – 3 <u>320</u> Village 2 – 617 5	737 dwellings – 6-14 ye 2 <u>0</u> dwellings	ears 2019-2028) (2020-	Potentially – a pathway of impact due to an increase in the number of dwellings does exist. This is considered further in the main body of this report. The ultimate conclusion of that analysis is that no likely significant effect will result. Please read the main body of the report for further details.

Ref	Page	Policy/Paragraph	Main Modifications to Lincolnshire Lakes Area Action Plan	Likely Significant Effect?
			 Strategic Site Allocation 3 Village 3 – 987-937 dwellings 	
			• Village 4 – $\frac{769}{719}$ dwellings	
			Strategic Site Allocation 5	
			 Village 5 – 1,050 <u>905</u> dwellings 	
			Strategic Site Allocation 6 Village 6 – 1,311 –1,500 dwellings	
			Amend paragraph 7.3 as follows:	
			"Any utility requirements needed to serve the development are not specially expressed in the table above. Developers at Lincolnshire	
			Lakes will need to fund and procure the necessary connections and infrastructure with the utility companies. Utilities such as water supply,	
			sewerage, gas, electricity and telecommunications are key infrastructure elements in delivering Lincolnshire Lakes as a whole. Upgrades to the water supply network are expected to be required to serve the	
	110	7.0	Lincolnshire Lakes site. The Infrastructure Delivery Schedule which	No
MM68	116	7.3	forms part of the evidence base for the Area Action Plan states that they will be delivered on a site by site basis, as part of the planning	None – no pathway of impact exists
			applications process. Developers are responsible for funding and procuring appropriate network connections with relevant utilities	
			providers. Where necessary developers will also be expected to fund of part fund improvements to the water supply network as set out in the	
			Water Industry Act 1991. They are advised to contact relevant providers when preparing their proposals to discuss their requirements and identify	
			where new, upgraded or enhanced infrastructure is needed to support	
			development and how this relates to the expected phasing of development."	

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