

Bassetlaw District Council

Bassetlaw Local Plan Habitats Regulations Assessment

Screening Assessment and Appropriate Assessment

Final report

Prepared by LUC

November 2020



Bassetlaw District Council

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Screening Assessment and Appropriate Assessment

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Chapter 1

Introduction

1.1 LUC was commissioned by Bassetlaw District Council (BDC) to carry out a Habitats Regulations Assessment (HRA) of its Local Plan. This report presents the methodology and findings of the HRA screening and Appropriate Assessment for the Bassetlaw Plan (Local Plan).

Background

1.2 Bassetlaw District Council (BDC) began work on its new Local Plan in 2015. The new Local Plan will provide the long term approach to development in the District up to the year 2037 and once adopted, will replace the existing Core Strategy and Development Management Policies Development Plan Document (DPD) which was adopted in December 2011.

1.3 The Initial Draft Bassetlaw Plan was published for consultation in October 2016 and set out a Vision and a list of Strategic Objectives for the Local Plan, as well as Strategic Proposals which detail the spatial hierarchy for the District and a proposed planning approach and development principles for each tier of the hierarchy. The Initial Draft Bassetlaw Plan also set out proposed thematic policy approaches relating to housing growth; economic development; town and service centres; the historic environment; the natural environment; design; affordable and specialist housing; rural buildings and residential development in wider, rural Bassetlaw; responding to a changing climate; infrastructure delivery and planning obligations; and Gypsies, Travellers and Travelling Showpeople. These proposed policy approaches were high level indications of the likely direction of the Local Plan policy and did not comprise detailed draft policy wording.

1.4 BDC then prepared the Draft Bassetlaw Plan, including revised strategic policies, site allocations and more detailed policies. This was subject to HRA and published for consultation between January and February 2020. Natural England commented on the HRA of the Draft Bassetlaw Plan. A record of these comments and how they have been addressed is set out in **Appendix D**.

1.5 Following the public consultation on the Bassetlaw Local Plan in January/February 2020, the Council has reviewed all comments received and the evidence which informs and justifies the policies and sites selected for allocation.

1.6 Concerns were raised regarding the distribution of housing development and sustainability credentials of some of

the sites proposed for allocation. Consequently, the Council is now proposing to amend the distribution of housing and to replace a small number of the sites where they are considered to be unsuitable, or where there is uncertainty that sustainable development can be achieved within the Local Plan time period (by 2037).

1.7 These proposals would see an increase in the number of new homes proposed in Retford; the rural areas would see a decrease in the housing required; and Cottam would become a broad location/regeneration area, rather than a new settlement. This would require the landowner to work with the Council to determine the most appropriate development solution for the site. Additionally, there are also a small number of new policies and minor amendments to existing policies to help deliver the Plan and to reflect changes to national legislation and planning guidance.

1.8 The Council would now like to engage with local residents and other stakeholders on the proposed revisions to the Plan Strategy/housing distribution, and new sites proposed for allocation in this updated draft Bassetlaw Plan.

1.9 This HRA report relates to the latest iteration of the Local Plan, the Draft Local Plan (November 2020).

1.10 The HRA of the Bassetlaw Plan considers whether the plan could have a significant effect on the integrity of internationally important wildlife sites, either alone or in combination with other plans.

The requirements to undertake HRA of development plans

1.11 The requirement to undertake HRA of development plans was confirmed by the amendments to the Habitats Regulations published for England and Wales in July 2007; the currently applicable version is the Conservation of Habitats and Species Regulations 2017, as amended¹.

1.12 The HRA refers to the assessment of the potential effects of a development plan on one or more European Sites,

including Special Protection Areas (SPAs) and Special Areas of Conservation (SACs):

- SPAs are areas classified² for rare and vulnerable birds or regularly occurring migratory species..
- SACs are designated under the Habitats Regulations as amended and target particular habitat types (specified in Annex 1 to the Habitats Directive) and species (specified in Annex II to the Habitats Directive). These annexes to the Habitats Directive list habitat types and species (excluding birds) considered to be most in need of conservation at a European level. Designation of SACs also has regard to the threats of degradation or destruction to which the sites are exposed and, before EU exit day, to the coherence of the Natura 2000 network of European sites. After EU exit day, regard is had to the importance of such sites for the coherence of the national site network..

1.13 Currently, the Government also expects potential SPAs (pSPAs)³, Candidate SACs (cSACs)⁴ and Sites of Community Importance (SCIs)⁵, and Ramsar sites to be included within the assessment⁶.

- Ramsar sites support internationally important wetland habitats and are listed under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (Ramsar Convention, 1971).

1.14 For ease of reference during HRA, these designations are collectively referred to as European sites, despite Ramsar designations being at the wider international level.

1.15 The overall purpose of the HRA is to conclude whether or not a proposal or policy, or whole development plan would adversely affect the integrity of the site in question. This is judged in terms of the implications of the plan for a site's 'qualifying features' for which the European site has been designated, i.e.:

- SACs – Annex I habitat types and Annex II species⁷.
- SPAs – Annex I birds and regularly occurring migratory species not listed in Annex I⁸.

¹ *The Conservation of Habitats and Species Regulations 2017* (Statutory Instrument 2017 No. 1012), as amended by *The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019* (SI 2019/579).

² Classified (a) before the day of the UK's exit from the EU (31 January 2020) in accordance with Article 4(1) or 4(2) of the European Union Wild Birds Directive for rare and vulnerable birds (as listed in Annex I of the Directive), and under Article 4(2) for regularly occurring migratory species not listed in Annex I, or (b) after exit day under the retained transposing regulations.

³ Potential SPAs are sites that have been approved by the Minister for formal consultation but not yet proposed to the European Commission, as listed on the [GOV.UK website](#).

⁴ Candidate SACs are sites that have been submitted to the European Commission, but not yet formally adopted, as listed on the JNCC's [SAC list](#).

⁵ SCIs are sites that had been adopted by the European Commission before the day of the UK's exit from the EU (31 January 2020) but not yet formally designated as SACs by the UK Government.

⁶ Department of Communities and Local Government (July 2018) National Planning Policy Framework (para 176).

⁷ As listed in the site's citation on the JNCC website (all features of European importance, both primary and non-primary, need to be considered).

⁸ As identified in sections 3.1, 3.2 and 4.2 of the SPA's standard data form on the JNCC website; species for which the site assessment of population (abbreviated to 'Pop.' in table at section 3.1 and 3.2) is 'D' (non-significant population) are not qualifying features and are only relevant to the HRA if qualifying features are dependent on them. Information from SAC and Spa Standard Data Forms is also published by the JNCC in the ['Natura 2000 site details - spreadsheet'](#). At sites where there remain differences between species

- Ramsar sites – the reasons for listing the site under the Convention⁹.

1.16 Significantly, HRA is based on the precautionary principle. Where uncertainty or doubt remains, an adverse effect should be assumed.

Stages of Habitats Regulations Assessment

1.17 Table 1.1 summarises the stages and associated tasks and outcomes typically involved in carrying out a full HRA, based on various guidance documents^{10,11,12}.

Table 1.1: Stages of HRA

Stage	Tasks
Stage 1: HRA Screening	<p>Description of the development plan</p> <p>Identification of potentially affected European sites and factors contributing to their integrity</p> <p>Review of other plans and projects</p> <p>Assessment of likely significant effects ('LSEs') of the development plan alone or in combination with other plans and projects.</p>
Stage 2: Appropriate Assessment (where Stage 1 does not rule out likely significant effects)	<p>Information gathering (development plan and European sites¹³).</p> <p>Evaluation of development plan impacts in view of conservation objectives.</p> <p>Where impacts are considered to affect qualifying features, identify how these effects will be avoided or reduced.</p>
Stage 3: Assessment where no alternatives exist and adverse impacts remain taking into account mitigation	<p>Identify 'imperative reasons of overriding public interest' (IROPI).</p> <p>Demonstrate no alternatives exist.</p> <p>Identify potential compensatory measures.</p>

1.18 In assessing the effects of a Plan in accordance with Regulation 105 of the Conservation of Habitats and Species Regulations 2017, there are potentially two tests to be applied by the competent authority: a 'Significance Test', followed if necessary, by an Appropriate Assessment which would inform the 'Integrity Test'. The relevant sequence of questions is as follows:

- Step 1: Under Reg. 105(1)(b), consider whether the plan is directly connected with or necessary to the management of the sites. If not, then the considerations proceed to Step 2.
- Step 2: Under Reg. 105(1)(a) consider whether the plan is likely to have a significant effect on a European site, either alone or in-combination with other plans or projects (the 'Significance Test'). If yes, proceed to Step 3.
- Step 3: Under Reg. 105(1), make an Appropriate Assessment of the implications for the European site in view of its current conservation objectives (the 'Integrity Test'). In so doing, it is mandatory under Reg. 105(2) to consult Natural England, and optional under Reg. 105(3) to take the opinion of the general public.
- Step 4: In accordance with Reg. 105(4), but subject to Reg. 107, give effect to the land use plan only after having ascertained that the plan would not adversely affect the integrity of a European site.
- Step 5: Under Reg. 107, if Step 4 is unable to rule out adverse effects on the integrity of a European site and no alternative solutions exist then the competent authority may nevertheless agree to the plan or project if it must be carried out for 'imperative reasons of overriding public interest' (IROPI).

1.19 It is normally anticipated that an emphasis on Stages 1 and 2 of this process will, through a series of iterations, help ensure that potential adverse effects are identified and eliminated through the inclusion of mitigation measures designed to avoid, reduce or abate effects. The need to consider alternatives could imply more onerous changes to a plan document. It is generally understood that so called 'imperative reasons of overriding public interest' (IROPI) are likely to be justified only very occasionally and would involve

listed in the 2001 SPA Review and the extant site citation in the standard data form, Natural England should be contacted for further guidance.

⁹ As set out in section 14 of the relevant 'Information Sheet on Ramsar Wetlands' available on the JNCC website.

¹⁰ European Commission (2001) Assessment of plans and projects significantly affecting European Sites. Methodological guidance on the provisions of Article 6(3) and (4) of the Habitats Directive 92/43/EEC.

¹¹ UK Government Planning Practice Guidance, available from <https://www.gov.uk/guidance/appropriate-assessment>

¹² The HRA Handbook. David Tyldesley & Associates, a subscription based online guidance document: <https://www.dtapublications.co.uk/handbook/European>

¹³ In addition to European site citations and conservation objectives, key information sources for understanding factors contributing to the integrity of European sites include (where available) conservation objectives supplementary advice and Site Improvement Plans prepared by Natural England.

engagement with both the Government and European Commission.

1.20 The HRA should be undertaken by the ‘competent authority’ - in this case BDC, and LUC has been commissioned to do this on its behalf. The HRA also requires close working with Natural England as the statutory nature conservation body¹⁴ in order to obtain the necessary information and agree the process, outcomes and any mitigation proposals. The Environment Agency, while not a statutory consultee for the HRA, is also in a strong position to provide advice and information throughout the process.

Relevant case law changes

1.21 This HRA has been prepared in accordance with relevant case law findings, including most notably the ‘People over Wind’ and ‘Holohan’ rulings from the Court of Justice for the European Union (CJEU).

1.22 The *People over Wind, Peter Sweetman v Coillte Teoranta* (April 2018) judgment ruled that Article 6(3) of the Habitats Directive should be interpreted as meaning that mitigation measures should be assessed as part of an Appropriate Assessment, and should not be taken into account at the screening stage. The precise wording of the ruling is as follows:

1.23 “Article 6(3)must be interpreted as meaning that, in order to determine whether it is necessary to carry out, subsequently, an appropriate assessment of the implications, for a site concerned, of a plan or project, it is not appropriate, at the screening stage, to take account of measures intended to avoid or reduce the harmful effects of the plan or project on that site.”

1.24 In light of the above, the HRA screening stage will not rely upon avoidance or mitigation measures to draw conclusions as to whether the AAP could result in likely significant effects on European sites, with any such measures being considered at the Appropriate Assessment stage as relevant.

1.25 The HRA will also fully consider the *Holohan v An Bord Pleanala* (November 2018) judgement which stated that:

1.26 "Article 6(3) of Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora must be interpreted as meaning that an ‘appropriate assessment’ must, on the one hand, catalogue the entirety of habitat types and species for which a site is protected, and, on the other, identify and examine both the implications of the proposed project for the species present on that site, and for which that site has not been listed, and the implications for

habitat types and species to be found outside the boundaries of that site, provided that those implications are liable to affect the conservation objectives of the site.

1.27 Article 6(3) of Directive 92/43 must be interpreted as meaning that the competent authority is permitted to grant to a plan or project consent which leaves the developer free to determine subsequently certain parameters relating to the construction phase, such as the location of the construction compound and haul routes, only if that authority is certain that the development consent granted establishes conditions that are strict enough to guarantee that those parameters will not adversely affect the integrity of the site.

1.28 Article 6(3) of Directive 92/43 must be interpreted as meaning that, where the competent authority rejects the findings in a scientific expert opinion recommending that additional information be obtained, the ‘appropriate assessment’ must include an explicit and detailed statement of reasons capable of dispelling all reasonable scientific doubt concerning the effects of the work envisaged on the site concerned."

1.29 LUC will fully consider the potential for effects on species and habitats, including those not listed as qualifying features, to result in secondary effects upon the qualifying features of European sites, including the potential for complex interactions and dependencies. In addition, the potential for offsite impacts, such as through impacts to functionally linked land, and or species and habitats located beyond the boundaries of European site, but which may be important in supporting the ecological processes of the qualifying features, has also been fully considered in this HRA.

Structure of this report

1.30 This chapter has introduced the requirement to undertake HRA of the Local Plan. The remainder of the report is structured as follows:

- **Chapter 2:** Bassetlaw Local Plan summarises the content of the Local Plan, which is the subject of this report.
- **Chapter 3:** Methodology sets out the approach used and the specific tasks undertaken during the HRA for the Bassetlaw Plan.
- **Chapter 4:** HRA Screening Assessment describes the findings of the screening stage of the HRA.
- **Chapter 5:** Appropriate Assessment describes the findings of the appropriate assessment stage of the HRA.

¹⁴ Regulation 5 of *The Conservation of Habitats and Species Regulations 2017* (Statutory Instrument 2017 No. 1012).

- **Chapter 6:** Conclusions summarises the HRA conclusions and describes the next steps to be undertaken.
- **Appendix A** sets out details of the European sites within 15km of Bassetlaw, including their qualifying features and conservation objectives.
- **Appendix B** presents the Screening matrices.
- **Appendix C** sets out details of the plans with potential for in-combination effects.
- **Appendix D** sets out consultation comments received in response to earlier iterations of the HRA.

Chapter 2

Bassetlaw Local Plan

Local Plan

2.1 This document relates to the Bassetlaw Plan (Local Plan). The Local Plan sets out proposed strategic policies (including site allocations) and thematic policies, which are focused on various topics for development management purposes. These policies set out the requirements that development within the District should meet. The Plan contains the following sections:

1. Introduction.
2. Structure of the Draft Bassetlaw Local Plan.
3. Context.
4. Bassetlaw Vision and Objectives.
5. A Spatial Strategy for Bassetlaw.
6. Delivering Economic Prosperity.
7. Living Communities.
8. Local Character and Distinctiveness.
9. Healthy Communities.
10. Greening Bassetlaw.
11. Transport and Connectivity.
12. Infrastructure and Delivery.
13. Monitoring Framework.

Potential impacts of the Local Plan on European sites

2.2 All potential impacts that development in general and related activities may have on European sites have been considered to inform this HRA. Impacts considered include a broad range of physical, non-physical, direct and indirect impacts, drawing on LUC's experience of HRA, the professional judgement of assessors, impacts noted specifically for those European sites included within the HRA and comments previously provided by Natural England relating to the potential impacts and activities that could affect European sites. Further information regarding the types of impacts that the Local Plan could have, and which therefore need to be considered in this HRA, is provided in **Chapter 4**.

Chapter 3

Methodology

3.1 HRA screening of the Bassetlaw Plan (Local Plan) has been undertaken in line with current available guidance and seeks to meet the requirements of the Habitats Regulations, and takes into account the 'People over Wind' judgment and Holohan CJEU rulings. The tasks that have been undertaken during the screening and appropriate assessment stages of the HRA are described in detail below.

Identification of European sites that may be affected by the Plan

3.2 In order to initiate the search of European sites that could potentially be affected by a Local Plan, it is established practice in HRAs to consider European sites within the local planning authority area covered by the Local Plan, and other sites that may be affected beyond this area.

3.3 The neighbouring Borough of Doncaster Metropolitan Council was appointed in 2010 by BDC to prepare a methodology that future development plans and documents can use to undertake the HRA process. This methodology¹⁵ used a 15km area of search outside the District boundary to identify European sites that may be affected by plans and projects within Bassetlaw, which is common practice in HRAs of English Local Plans.

3.4 Although there are no European Sites within Bassetlaw District, four sites have been identified that lie within 15km of the boundary:

- Birklands and Bilhaugh SAC.
- Hatfield Moor SAC.
- Thorne Moor SAC.
- Thorne and Hatfield Moors SPA.

3.5 The Doncaster MBC methodology also recognises that European sites outside this 15km zone may need to be considered in exceptional circumstances and therefore each plan subject to HRA should consider whether there are any pathways by which effects could occur on more distant European sites. The Humber Estuary SAC, SPA and Ramsar lies north of Bassetlaw District and has hydrological connectivity via the River Trent which forms the eastern

¹⁵ <https://www.bassetlaw.gov.uk/planning-and-building/planning-services/planning-policy/core-strategy-and-development-policies/background-studies/habitat-regulations-assessment/>

boundary of the District. Therefore this European site has been considered within this HRA.

Shadow HRA

3.6 As mentioned in the **Chapter 1**, it is necessary for potential SPAs (pSPAs) to be included in the HRA. Although not formally a pSPA, Natural England has advised that there is a possibility of a Sherwood Forest pSPA being designated in the future on account of supporting populations of breeding nightjar and woodlark. In an Advice Note to Local Planning Authorities dated March 2014¹⁶, Natural England advocates a precautionary approach to any plans or projects which could affect such a site, and identifies Core Breeding Areas and Important Bird Areas (IBAs), which together would be likely to constitute component sites of any Sherwood Forest 'prospective potential' SPA (ppSPA). Natural England has clarified that, the most up to date Sherwood Forest IBA boundaries differ from those in the 2014 advice note, and that these should be used when considering the potential extent of the ppSPA.

3.7 Natural England's 2014 advice note advises Local Planning Authorities in the vicinity of parts of Sherwood Forest, to be mindful of the Secretary of State's decision in 2011, following Public Inquiry, to refuse to grant planning permission for an Energy Recovery Facility at Rainworth where the potential impacts on these birds and their supporting habitats was given significant weight. This note indicates that, with regards to planning, a risk-based approach should be taken by considering Sherwood Forest in the HRA process as a ppSPA.

3.8 While no conclusion has been reached, or progress published about the possible future classification of a Sherwood Forest pSPA, Natural England recommend that the ppSPA be considered as part of any relevant HRA, in line with the precautionary principle and to ensure that any planning proposals are adequately future proofed. In responding to the consultation on the HRA of the Draft Bassetlaw Plan, Natural England suggested that assessment of the Sherwood Forest ppSPA should be undertaken separately, as a 'shadow HRA'. This shadow HRA is presented in this report, but the approach taken (this chapter) and results are presented separately from the main HRA findings (in **Chapters 3** and **4**) through the use of sub-headings.

Location of European sites

3.9 The locations of the European sites are mapped in **Figure 3.1**. As the status of Sherwood Forest is still uncertain, there are no boundaries for the ppSPA, a possible boundary

for the purposes of this assessment has been based upon the information provided within the Natural England advice note, as described above. This indicative area is provided in **Figure 3.1**.

¹⁶<https://www.mansfield.gov.uk/downloads/file/482/natural-england-s-advice-notes-on-the-sherwood-ppspa-2014>

Chapter 3

Methodology

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Figure 3.1: European Sites within and within 15km of Bassetlaw District and Sherwood Forest ppSPA

Ecological attributes of the European sites

3.10 Detailed information about the location, qualifying features and vulnerabilities of the European sites included in the assessment is presented in **Appendix A**. The attributes that contribute to and define the integrity of the European sites considered in this HRA have been identified using the Conservation Objectives for each site, Standard Data Forms for SACs and SPAs¹⁷ and Information Sheets for Ramsar Wetlands¹⁸, as well as Natural England’s Site Improvement Plans¹⁹ (SIPs). This analysis enabled European site interest features to be identified, along with the features of each site that determine site integrity and the specific sensitivities and threats facing the site. This information was then used to inform an assessment of how the potential impacts of the Local Plan may affect the integrity of each site.

3.11 This approach has also been useful for informing the inter-dependencies of non-qualifying species and habitats which the qualifying species depend, as highlighted as a requirement by the 'Holohan' ruling.

Shadow HRA: Ecological attributes of the European sites

3.12 As the Sherwood Forest ppSPA is not currently designated as a European site, there is no Standard Data form or SIP for it. However, other comparable SPAs within the UK, such as the Thames Basin Heaths SPA, which is designated for nesting nightjar and woodlark (and Dartford Warbler), have been used to understand likely pressures and threats, and factors contributing to the coherence and function of the sites qualifying features.

Assessment of ‘likely significant effects (LSEs)’ on the Local Plan

3.13 As required under Regulation 105 of the Conservation of Habitats and Species Regulations 2017²⁰ (the ‘Habitats Regulations’), an assessment has been undertaken of the ‘likely significant effects’ of the Local Plan. A risk-based approach involving the application of the precautionary principle has been adopted in the assessment, such that a conclusion of ‘no significant effect’ has only been reached where it is considered very unlikely, based on current knowledge and the information available, that a proposal in the Local Plan would have a significant effect on the integrity of a European site.

3.14 A screening matrix has been prepared (**Appendix B**), which considers the potential for likely significant effects resulting from each policy and site allocation in the Draft Bassetlaw Plan. A ‘traffic light’ approach has been used in the screening matrix to record the likely effects of the policies and site allocations on European sites and their qualifying habitats and species, using the colour categories shown in **Table 3.1**. The findings of the Screening Assessment are described in **Chapter 4**.

Table 3.1: Interpretation of ‘likely significant effect’

Red	There are likely to be significant effects (Appropriate Assessment required).
Amber	There may be significant effects, but this is currently uncertain (Appropriate Assessment required).
Green	There are unlikely to be significant effects (Appropriate Assessment not required).

3.15 Relevant case law helps to interpret when effects should be considered as a likely significant effect, when carrying out HRA of a land use plan.

3.16 In the Waddenzee case²¹, the European Court of Justice ruled on the interpretation of Article 6(3) of the Habitats Directive (translated into Reg. 105 in the Habitats Regulations), including that:

- An effect should be considered ‘likely’, “if it cannot be excluded, on the basis of objective information, that it will have a significant effect on the site” (para 44);
- An effect should be considered ‘significant’, “if it undermines the conservation objectives” (para 48); and
- Where a plan or project has an effect on a site “but is not likely to undermine its conservation objectives, it cannot be considered likely to have a significant effect on the site concerned” (para 47).

3.17 A relevant opinion delivered to the Court of Justice of the European Union²² commented that:

“The requirement that an effect in question be ‘significant’ exists in order to lay down a de minimis threshold. Plans or projects that have no appreciable effect on the site are thereby

¹⁷ These were obtained from the Joint Nature Conservation Committee and Natural England websites (www.jncc.gov.uk and www.naturalengland.org.uk)

¹⁸ These were obtained from the Joint Nature Conservation Committee website (www.jncc.defra.gov.uk)

¹⁹ Natural England is in the process of compiling Site Improvement Plans for all Natura 2000 sites in England as part of the Improvement Programme for England’s Natura 2000 sites (IPENS).

²⁰ SI No. 2017/2012

²¹ ECJ Case C-127/02 “Waddenzee” Jan 2004.

²² Advocate General’s Opinion to CJEU in Case C-258/11 Sweetman and others v An Bord Pleanala 22nd Nov 2012.

excluded. If all plans or projects capable of having any effect whatsoever on the site were to be caught by Article 6(3), activities on or near the site would risk being impossible by reason of legislative overkill."

3.18 This opinion (the 'Sweetman' case) therefore allows for the authorisation of plans and projects whose possible effects, alone or in-combination, can be considered 'trivial' or de minimis; referring to such cases as those "*that have no appreciable effect on the site*". In practice such effects could be screened out as having no likely significant effect; they would be 'insignificant'.

Mitigation at the screening stage

3.19 As mentioned in **Chapter 1**, the Court of Justice of the European Union judgement in relation to the *People over Wind, Peter Sweetman v Coillte Teoranta* case ruled that Article 6(3) of the Habitats Directive should be interpreted as meaning that mitigation measures should be assessed as part of an Appropriate Assessment, and should not be taken into account at the screening stage.

3.20 Potential effects identified through the Screening exercise as set out in **Appendix B** and the **Chapter 4** could be mitigated through the implementation of policies within the Local Plan itself. These may include policies such as those relating to the provision of improved sustainable transport links which could help to mitigate potential increases in air pollution

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associated with increased vehicle traffic, and the provision of green infrastructure within new developments which may help to relieve increases in visitor pressure at European sites.

3.21 Potential avoidance and mitigation included in the plan itself has not therefore been considered at the screening stage, but has, if required, been considered during the Appropriate Assessment, thereby ensuring full compliance with the 'People over Wind' judgment. Nevertheless, in order to inform the preparation of the plan any recommended mitigation and avoidance measures have been identified at the screening stage for potential inclusion in the Local Plan.

Appropriate Assessment

3.22 The Appropriate Assessment stage of HRA focuses on those impacts judged likely at the Screening stage to have a significant effect, and seeks to conclude whether, in light of mitigation and avoidance measures, they would result in an adverse effect on the on the integrity of the qualifying features of a European site(s), or where insufficient certainty regarding this remains. The integrity of a site depends on the site being able to sustain its 'qualifying features' across the whole of the site and ensure their continued viability. The findings of the Appropriate Assessment (and Shadow Appropriate Assessment for Sherwood Forest ppSPA) are described in **Chapter 5**.

Chapter 4

HRA Screening Assessment

4.1 For some types of impacts, screening for likely significant effects has been determined on a proximity basis, using GIS data to determine the proximity of potential development locations to the European sites that are the subject of the assessment. Where an impact pathway from the Local Plan to a European site cannot be identified, such impacts can be screened out of further assessment. The detailed Screening matrix is presented in **Appendix B**, and the findings are described below in relation to each broad type of potential impact that the Local Plan could give rise to.

Physical damage/loss of habitat

4.2 Any development resulting from the Local Plan will be located within Bassetlaw District. Therefore, loss of habitat from within the boundaries of a European site can be ruled out in relation to those sites that lie entirely outside of Bassetlaw. All European sites lie outside of the District boundary.

4.3 Loss of habitat from outside the boundaries of a European site could still result in likely significant effects if that habitat supports qualifying species from within the European sites, for example habitat that is used for foraging by birds (usually referred to as 'functionally linked' habitat).

4.4 All European sites lying entirely beyond the boundary of Bassetlaw have no notable ecological/functional connectivity to the District and/or are of a distance that loss or damage to habitats within the district is unlikely to impact upon them. For example, Thorne and Hatfield Moors SPA is sensitive to impacts of damage or loss of off-site habitat due to its qualifying feature being nightjar, a mobile bird species which will forage within off-site habitat. However, given the distance of the European site being over 20km from development allocations and the presence of intervening infrastructure, it would not be expected for SPA birds to be dependent on the habitat within the allocations in Bassetlaw District.

Likely significant effects on all European sites can be screened out in relation to physical damage or loss of off-site habitat.

Shadow HRA: Physical damage/loss of habitat

4.5 Part of the ppSPA lies within Bassetlaw District. However, none of the policies result in development within the likely boundary of Sherwood Forest ppSPA itself, therefore,

impacts from physical damage or loss of onsite habitat can be screened out.

4.6 With regards to physical damage or loss of functionally linked land, the following site allocation policies comprise potentially suitable foraging and/or breeding habitat for the ppSPA bird species, and will result in housing and employment development:

- ST3 - Bassetlaw Garden Village.
- ST7: Cottam Priority Regeneration Area.
- 10: Site SEM01 – Apleyhead Junction, Worksop.
- 17: Site HS1 - Peaks Hill Farm, Worksop.
- 19: HS3 – Radford Street.
- 21: Site HS5 - Talbot Road, Worksop.
- 22: Site HS6 - Former Knitwear Factory, Retford Road, Worksop.
- 23: Site HS7 - Trinity Farm, Retford.
- 25: Site HS9 – Former Elizabethan High School.
- 27: Site HS11 – Fairy Grove Nursery.
- 29: HS13 – Ordsall South, Retford.
- 30: Site NP04 - Ollerton Road, Tuxford.

4.7 Sherwood Forest ppSPA has been identified as being important for woodlark and nightjar. The preferred habitat type for these species during the breeding season is heathland and rotational coniferous plantation habitats. Nightjar do not overwinter in the UK, and will utilise a much broader range of habitat types for nocturnal foraging including open grasslands, woodlands and wetland habitats. Woodlark typically have large territories which incorporate early successional stage habitat that provides the low vegetation sward preferred for nesting, but usually within woodland clearings. Woodlark also overwinter in the UK when they often forage in arable habitats.

4.8 A review of aerial imagery indicated that woodland, arable and pasture / grassland habitats within the Local Plan site allocations at 17: Site HS1 - Peaks Hill Farm, Worksop, ST3 - Bassetlaw Garden Village and 10: Site SEM01 – Apleyhead Junction, Worksop is suitable for foraging woodlark and nightjar. Furthermore, although the woodland habitats within these sites are unlikely to support breeding woodlark and nightjar as the areas are generally small and do not have the clearings which would be required for these species to breed, effects as a result of development at these sites is uncertain. Additionally, the site allocation at 10: Site SEM01 – Apleyhead Junction, Worksop supports a large area of woodland in close proximity to the ppSPA. Therefore, impacts resulting from the loss of off-site foraging and breeding habitat should be considered at the Appropriate Assessment stage.

4.9 The site allocation policies for ST7: Cottam Priority Regeneration Area; 19: HS3 – Radford Street; 21: Site HS5 - Talbot Road, Worksop; 22: Site HS6 - Former Knitwear Factory, Retford Road, Worksop; 23: Site HS7 - Trinity Farm, Retford; 27: Site HS11 Fairy Grove Nursery; and 30: Site NP04 - Ollerton Road, Tuxford all include either arable habitat suitable for foraging woodlark over-winter and/or pasture/meadow and/or wetland habitat, which has potential to provide suitable habitat for foraging nightjar. No potential breeding habitat is present within these sites. Although in most cases due to small sizes of the sites, surrounding urban landscape, distance from Sherwood Forest ppSPA and/or the presence of sufficient and optimal foraging habitat in the wider landscape it is considered unlikely these species would rely upon these sites for foraging. However, taking a precautionary approach, impacts resulting from the loss of off-site foraging habitat should be considered at the Appropriate Assessment stage for these sites.

4.10 The remaining housing and employment site allocations do not support habitat that is suitable for nightjar or woodlark, therefore these site allocations will not result in effects of loss or damage of off-site habitat and have been screened out.

It is not possible to screen out likely significant effects on the Sherwood Forest ppSPA as a result of physical damage/loss of off-site habitat within some of the Local Plan site allocations. As a result, this issue requires further consideration at the Appropriate Assessment stage to determine whether the Local Plan would result in adverse effects on site integrity, either alone or in combination.

Non-physical disturbance (noise, vibration and light)

4.11 Noise and vibration effects, e.g. during the construction of new housing or employment development, are most likely to disturb bird species and are thus a key consideration with respect to European sites where birds are the qualifying features, although such effects may also impact upon some mammals and fish species. Artificial lighting at night (e.g. from street lamps, flood lighting and security lights) is most likely to affect bat populations and other nocturnal animals, and therefore have an adverse effect on the integrity of European sites where bats or nocturnal animals are a qualifying feature.

4.12 It has been assumed that the effects of noise, vibration and light are most likely to be significant within a distance of 500m from the European site. There is also evidence of 300m being used as a distance up to which certain bird species can

be disturbed by the effects of noise²³; however, it has been assumed (on a precautionary basis) that the effects of noise, vibration and light pollution are most likely to cause an adverse effect if development takes place within 500m of a European site with qualifying features sensitive to these disturbances, or within 500m of known off-site breeding, foraging or roosting areas.

4.13 There are no European sites within the District boundary and the nearest sites are well over 500m from new development allocations and as noted above, are less likely to contain functionally linked habitat within the District, therefore there is no impact pathway associated with the Local Plan development.

Likely significant effects are not expected to occur as a result of non-physical disturbance.

Shadow HRA: Non-physical disturbance (noise, vibration and light)

4.14 The ST3 - Bassetlaw Garden Village and 10: Site SEM01 – Apleyhead Junction, Worksop site allocation policies include provision for housing and associated economic development and infrastructure within 500m from the likely boundary of the Sherwood Forest ppSPA. Therefore, development at these sites has the potential, through non-physical disturbance, such as from noise, vibration and light, to displace, disturb and reduce the survival or productivity of breeding birds.

4.15 The remaining site allocations lie more than 500m from the Sherwood Forest ppSPA, and are also generally either within or the other side of intervening urban settlements or large infrastructure such as A or M roads. It is therefore considered unlikely for there to be an increase in non-physical disturbance as a result of development at these locations.

Likely significant effects upon Sherwood Forest ppSPA associated with non-physical disturbance as a result of the ST3 - Bassetlaw Garden Village and 10: Site SEM01 – Apleyhead Junction, Worksop site allocations cannot be ruled out and will therefore need to be considered further at the Appropriate Assessment stage.

Air pollution

4.16 Air pollution is most likely to affect European sites where plant, soil and water habitats are the qualifying features, but

some qualifying animal species may also be affected, either directly or indirectly, by any deterioration in habitat as a result of air pollution. Deposition of pollutants to the ground and vegetation can alter the characteristics of the soil, affecting the pH and nitrogen availability that can then affect plant health, productivity and species composition.

4.17 In terms of vehicle traffic, nitrogen oxides (NO_x, i.e. NO and NO₂) are considered to be the key pollutants. Subsequent deposition of nitrogen compounds may lead to both soil and freshwater acidification, and eutrophication of soils and water.

4.18 Based on the Highways Agency Design Manual for Road and Bridges (DMRB) Manual Document LA105: Air Quality²⁴ (which was produced to provide advice regarding the design, assessment and operation of trunk roads (including motorways)), it is assumed that air pollution from roads is unlikely to be significant beyond 200m from the road itself. Where increases in traffic volumes are forecast, this 200m buffer needs to be applied to the relevant roads in order to make a judgement about the likely geographical extent of air pollution impacts.

4.19 The DMRB Guidance for the assessment of local air quality in relation to highways developments provides criteria that should be applied at the screening stage of an assessment of a plan or project, to ascertain whether there are likely to be significant impacts associated with routes or corridors. Based on the DMRB guidance, affected roads which should be assessed are those where:

- Daily traffic flows will change by 1,000 AADT (Annual Average Daily Traffic) or more; or
- Heavy duty vehicle (HDV) flows will change by 200 AADT or more; or
- A change in speed band; or
- Road alignment will change by 5 m or more.

4.20 It has been assumed that only those roads forming part of the primary road network (motorways and primary 'A' roads) are likely to experience any significant increases in vehicle traffic as a result of development (i.e. greater than 1,000 AADT), as these are the roads new residents are most likely to take e.g. for commuting. As such, where a site is within 200m of only minor roads, no significant effect from traffic-related air pollution is considered to be the likely outcome.

4.21 A small section of the A1(M) motorway lies within Bassetlaw, from the Blyth North junction, northwards towards

²³ British Wildlife Magazine. October 2007.

²⁴ Design Manual for Road and Bridges: LA105, Air Quality. Highways Agency (2019). <https://www.standardsforhighways.co.uk/dmrb/search/10191621-07df-44a3-892e-c1d5c7a28d90>

Doncaster. Five A roads pass through the District, they are the:

- A631 from Bawtry to Beckingham/Gainsborough.
- A57 from Shireoaks to Dunham on Trent.
- A1 from Tuxford to Harworth.
- A60 from Medan Vale to Oldcotes.
- A614 from Hardwick to Bawtry.

4.22 All the European sites which lie outside of the District boundary are located over 200m from major roads which also pass through Bassetlaw. In its response to the HRA of the Draft Bassetlaw Plan, Natural England raised concerns about increased air pollution affecting the Birklands and Bilhaugh SAC, particularly near the Sherwood Forest NNR. However, there are no motorways or A roads within 200m of this site. Furthermore, if residents of the proposed garden village were travelling south, it is likely they would use the A1 or Blyth Road, which is more than 200m from the SAC.

There is no impact pathway in relation to air pollution effects and therefore likely significant effects have been screened out in relation to air pollution (both alone and in-combination).

Shadow HRA: air pollution

4.23 The A60, A1, A57 and A614 all pass through and/or within 200m of the Sherwood Forest ppSPA. Therefore, an increase in population and traffic on the road network associated with residential and employment development has the potential to lead to increased air pollution on roads within 200m of the Sherwood Forest ppSPA.

4.24 Given the habitats within Sherwood Forest ppSPA are plant communities which thrive in nutrient poor conditions, the site is particularly sensitive to nutrient enrichment, which can result in increased competition by dominant grasses and scrub and changes in habitat composition. These habitat changes lead to faster succession of habitat and reduce the availability of early stage successional phases favoured by the bird species the site would be designated for (i.e. reducing the extent of nesting habitat). These habitat changes could also lead to a potential change in prey abundance and diversity, and a likely significant effect on the ppSPA birds.

4.25 Case law, known as the Wealden judgement²⁵, has revised the method by which Natural England expects to see in-combination air pollution effects assessed. The implication

of the judgment is that, where the road traffic effects of other plans or projects are known or can be reasonably estimated (including those of adopted plans or consented projects), then these should be included in road traffic modelling by the local authority whose local plan or project is being assessed. The screening criteria of 1,000 AADT should then be applied to the traffic flows of the plans in-combination.

4.26 The policies that allocate housing and employment sites are likely to result in an increase in population and therefore result in an increase in traffic flows on roads throughout the district as a whole. These policies could have an air pollution effect in-combination with growth proposed in neighbouring plans. Therefore, this should be considered further at the Appropriate Assessment stage.

The potential for the Local Plan to result in likely significant effects on the Sherwood Forest ppSPA as a result of air pollution cannot be ruled out, either alone or in-combination, and therefore this will require further consideration at the Appropriate Assessment stage to determine assessment of likely impacts either alone or in-combination.

Impacts of recreation

4.27 Recreational activities can result in likely significant effects on European sites as a result of erosion, trampling and nutrient enrichment of habitats, and disturbance of species by humans or dogs resulting in a compromised ability to breed or survive. Where Local Plan policies are likely to result in an increase in the local population, or where an increase in visitor numbers to the European site is considered likely, there may be potential for associated recreational impacts.

4.28 A well-established approach to avoiding recreational pressures has been developed as part of planning decisions which involve the Thames Basin Heaths SPA (TBH SPA). The TBH SPA, located in southern England, is designated for ground nesting heathland birds including nightjar and woodlark. To ensure adverse effects on the TBH SPA are avoided, a Joint Strategic Partnership involving Natural England and relevant planning authorities was established. The Partnership produced a Delivery Framework which uses a 'zone' system based on distance from the SPA to identify the likely significance of effects resulting from recreational pressures and also to inform development and mitigation requirements within each zone.

4.29 Even where European sites are not similar in nature, the use of a 7 km distance to identify the potential for significant

²⁵ Wealden District Council v. (1) Secretary of State for Communities and Local Government; (2) Lewes District Council; (3) South Downs National Park Authority and Natural England

effects from recreational disturbance is considered reasonable and precautionary, as numerous other visitor survey work has been undertaken for different European sites around the country and generally concluded that visitors travel between 5-7 km to access European sites for recreation.

4.30 All of the European sites considered in this HRA are greater than 7 km from the allocated sites in the Bassetlaw Local Plan. However, in its response to the HRA of the Draft Bassetlaw Plan, Natural England highlighted that the Sherwood Forest Visitor Centre and nearby forest is a regional recreational resource, drawing visitors from a wide area (see **Appendix D**). The visitor centre lies in the north of Edwinstowe, around 150m from the Birklands and Bilhaugh SAC.

4.31 The visitor centre lies around 5km from the district boundary and around 11.3km from the nearest site allocation (ST3: Bassetlaw Garden Village). Visitor survey information provided by the RSPB, who manage the Sherwood Forest Visitor Centre, shows that in 2018/19 around 30% visitors lived within 10 miles (16.1km) of the site (see **Figure 4.1**). However, as the data sent to LUC only refers to 'within 10 miles' or 'not within 10 miles', it is difficult to establish a zone of influence using this data. The 2019/2020 visitor survey also established that 60% of visitors live within a 60 minute drive of the site (all response choices were based on drive times). The 2018/19 survey found that over 90% visitors drove to the site (equivalent information was not available for 2019/2020). This suggests a much larger catchment of around 65km, based on an average driving speed of 40mph. This would cover the whole of Bassetlaw District and a substantial area beyond this as well (see **Figure 4.1**). As such, it is considered that all residential site allocations could contribute, either alone or in combination, to likely significant effects associated with increases in recreational pressures. Policy ST13 - Visitor Economy could also contribute to increased visitor numbers at Sherwood Forest, as this promotes an increase in the number of visitors to the District in general.

Due to the potential of this visitor centre to draw people from further afield, and in order to be precautionary potential impacts of recreational disturbance at Birklands and Bilhaugh SAC requires further consideration through Appropriate Assessment.

Chapter 4

HRA Screening Assessment

Bassetlaw Local Plan Habitats Regulations Assessment
November 2020

*Figure 4.1: Potential Catchment Areas for Sherwood Forest
Visitor Centre*

Shadow HRA: impacts of recreation

4.32 As the Sherwood Forest ppSPA lies partly within Bassetlaw, there is potential for likely significant effects to arise. The Sherwood Forest ppSPA is similar to the TBH SPA, as it comprises a mosaic of plantation coniferous and broadleaved woodlands, open heathland and grassland habitats. The TBH SPA is particularly susceptible to recreational pressures because the qualifying bird species nest on the ground and are therefore vulnerable to disturbance, displacement and predation, for example associated with dog walking or the effects of cat predation from nearby residential development. The habitats are also susceptible to nutrient enrichment (e.g. through dog excretion) and direct disturbance resulting in degradation through erosion and trampling.

4.33 Given the likely similar recreational appeal and nature of the sites, it is therefore reasonable to make comparisons between the TBH SPA and Sherwood Forest ppSPA in using a distance-based approach in determining the likelihood of recreational pressures resulting in significant effects. The TBH Delivery Framework suggests that at distances between 400m and 5 km, residential housing is likely to result in significant effects associated with recreation and other urban edge effects such as cat predation. Beyond this distance, larger developments (above 50 dwellings) between 5 and 7 km from the SPA need to be assessed and may be required to provide appropriate mitigation. These distances have been based on various research commissioned by Natural England which investigated people's recreational movements, behaviour and distance travelled to woodland and heathland sites. Importantly, the research indicates that beyond 7km the effect of recreational pressures on a heathland and woodland site are likely to be minimal. And this distance is reduced to 5km for smaller developments of below 50 dwellings. This provides useful context in assessing whether proposed housing locations specified within the Bassetlaw Local Plan will result in likely significant effects on the Sherwood Forest ppSPA as a result of recreation.

4.34 In addition, in response to the previous SA and HRA, Natural England expressed concerns that Policy ST3: Bassetlaw Garden Village will increase recreational pressure at Clumber Park SSSI, which partly overlaps the ppSPA and could increase disturbance to woodlark and nightjar. The Garden Village is within 1km of the ppSPA and Clumber Park SSSI. The National Trust provided visitor data, which showed that a substantial proportion of their visitors (25%) come from the S81, S80 and DN22 postal districts, which cover most of Bassetlaw. The majority of other visits were from Sheffield, Doncaster and Nottingham postcodes, with 88% visitors coming from within an hour's drive.

4.35 In addition, the Sherwood Forest Visitor Centre and nearby forest is a regional recreational resource, drawing visitors from a wide area (see **Appendix D**). The visitor centre lies in the north of Edwinstowe, around 150m from the ppSPA.

4.36 The visitor centre lies around 5km from the district boundary and around 11.3km from the nearest site allocation (ST3: Bassetlaw Garden Village). As noted above, visitor survey information provided by the RSPB, who manage the Sherwood Forest Visitor Centre, suggests that people will drive between 16.1km (30% visitors in 2018/19) and 65km (60% of visitors in 2019/20) to the visitors centre. A potential visitor catchment of 65km from the visitor would cover the whole of Bassetlaw District and a substantial area beyond this as well (see **Figure 4.1**).

4.37 As such, it is considered that all residential site allocations could contribute, either alone or in-combination, to likely significant effects associated with increases in recreational pressures.

4.38 Avoidance and mitigation safeguards, like those described for the TBH SPA are likely to be required, but cannot be relied upon at this Screening Stage.

4.39 Additionally, the policy ST13 - Visitor Economy promotes an increase in the number of visitors to the District in general, and therefore this policy along with the sites listed above require further consideration at the Appropriate Assessment stage.

The Local Plan has the potential to result in likely significant effects on the Sherwood Forest ppSPA as a result of increases in recreational pressure, both alone and in-combination with other plans and projects and will therefore require further consideration at the Appropriate Assessment stage.

Cat predation

4.40 Cat predation due to an increase in residential populations and cat ownership can result in likely significant effects on European sites where ground nesting bird species are the qualifying features and the new residential development is in close proximity. The European sites included within this HRA are outside the District boundary and/or do not contain ground nesting birds as their qualifying features and can therefore be screened out given the lack of impact pathways.

Likely significant effects are not expected to occur due to cat predation.

Shadow HRA: cat predation

4.41 Nightjar and woodlark (for which the Sherwood Forest ppSPA is likely to be designated) are ground nesting species, and therefore these birds and their nests are vulnerable to predation by domestic cats.

4.42 The increased risk of cat predation associated with residential schemes in relation to the TBH SPA resulted in the adoption of a 400m development exclusion zone within the Delivery Framework. NE specifies that at distances of less than 400m avoidance measures are likely to be ineffective at reducing the risks associated with predation. As described above, it is considered reasonable to apply a similar approach to the Sherwood Forest ppSPA given the similarities in habitat types and qualifying species. Only the ST3 - Bassetlaw Garden Village housing allocation is within 400m of the likely boundary of the Sherwood Forest ppSPA, and although it is considered that the small, isolated areas of woodland within the Garden Village site itself are unlikely to support breeding habitat, it is uncertain if this policy could result in cat predation of ppSPA birds using those areas of habitat. Therefore, taking a precautionary approach given the close proximity to Sherwood Forest ppSPA, impacts resulting from cat predation should be considered at the Appropriate Assessment stage for this site as likely significant effects on Sherwood Forest ppSPA cannot be ruled out.

It is uncertain if Policy ST3 - Bassetlaw Garden Village has the potential for likely significant effects on the Sherwood Forest ppSPA as a result of increased residential dwelling and cat predation. Therefore, this policy will require further consideration at the Appropriate Assessment stage.

Water quantity and quality

4.43 An increase in demand for water abstraction and treatment resulting from the growth proposed in the Local Plan could result in changes in hydrology at European sites, specifically a decrease in water quality or changes to water levels. Depending on the qualifying features and particular vulnerabilities of the European sites, this could lead to likely significant effects on the sites qualifying features.

4.44 The Humber Estuary SAC, SPA and Ramsar lies north of Bassetlaw District and has hydrological connectivity via the River Trent which forms the eastern boundary of the District. However, the SAC and Ramsar are just over the 15km buffer in which significant effects are considered likely, and the SPA is over 25km north. In addition, the River Trent is a main river with several large settlements along it. Therefore, it is not considered the Local Plan alone will result in likely significant effects upon this European site.

Likely significant effects are not expected to occur in relation to water quality and quantity as a result of the Local Plan alone.

Shadow HRA: water quantity and quality

4.45 Although Sherwood Forest ppSPA lies within the District and in proximity to waterways, the habitats within the ppSPA which the birds rely upon are not vulnerable to changes in hydrology. Therefore, the qualifying bird species would nest and continue to breed, hence this would not be expected to affect the European site or its qualifying features.

The potential for the Local Plan alone to result in likely significant effects on any European site as a result of changes in water quality and quantity can be ruled out, and does not need consideration at Appropriate Assessment.

Identification of other plans and projects which may have 'in-combination' effects

4.46 Regulation 105 of the Amended Habitats Regulations 2017 requires an Appropriate Assessment where “a land use plan is likely to have a significant effect on a European site (either alone or in-combination with other plans or projects) and is not directly connected with or necessary to the management of the site”. Therefore, it is necessary to consider whether there may be significant effects from the Local Plan in-combination with other plans or projects.

4.47 Where the Local Plan is likely to have an effect on its own (due to impact pathways being present), whether significant or not, there may also be the same types of effects from other plans or projects that could combine with the Local Plan to produce adverse effects on integrity, and therefore these need to be considered through the Appropriate Assessment stage. Where the screening assessment has concluded that there is no impact pathway between development proposed in the Local Plan and the conditions necessary to maintain qualifying features of a European site, then there will be no in-combination effects to assess.

4.48 As part of helping to identify what other 'in-combination' effects could arise from other plans and projects in addition to the Bassetlaw Local Plan, a review has been undertaken focusing on planned spatial growth within the authorities adjacent to the District, as these are the ones most likely to give rise to in-combination effects on the European sites within 15km of the District boundary. **Appendix C** lists the plans that were considered, outlining the components of each that could have an impact on nearby European sites and considering the

findings of the accompanying HRA work (where available). There is some uncertainty with regards to new plans that are in the early stages of development. Any updates to these emerging plans will be considered in future iterations of the HRA.

4.49 The screening assessment has concluded that the Bassetlaw Local Plan will not result in any effects upon the European sites outside its boundary (i.e. Birklands and Bilhaugh SAC, Hatfield Moor SAC, Thorne Moor SAC, Thorne and Hatfield Moors SPA and the Humber Estuary SAC, SPA and Ramsar site) due to a lack of impact pathway in relation to the following impacts; therefore, in-combination assessment is not required for these sites in relation to:

- Physical damage and loss of habitat.
- Non-physical disturbance.
- Air quality.
- Cat predation.

4.50 The screening assessment has identified potential effects arising in relation to recreational disturbance at Birklands and Bilhaugh SAC. Significant effects could potentially occur as a result of the plan alone. However, it is also possible that the plan could give rise to small, but not significant effects alone, but significant effects could come forward in-combination with other, neighbouring plans, particularly the Newark and Sherwood Local Plan.

4.51 The screening assessment has concluded that the Bassetlaw Local Plan will not result in any effects (significant or not) in relation to water quality upon any of the European sites, with exception of the Humber Estuary SAC, SPA and Ramsar. This is due to a lack of impact pathway, and therefore in-combination effects are not predicted. However, although there are no significant effects as a result of the Local Plan upon the Humber Estuary SAC, SPA and Ramsar identified, given there is an impact pathway via hydrological connectivity, impacts upon this site resulting from changes in water quality and quantity cannot be ruled out in-combination with other plans and projects. Therefore in-combination effects upon the Humber Estuary SAC, SPA and Ramsar have been considered in the Appropriate Assessment for water quality and quantity.

The potential for in-combination effects from changes to water quality are considered in relation to the Humber Estuary SAC, SPA and Ramsar.

The potential for in-combination effects from recreational disturbance are considered in relation to Birklands and Bilhaugh SAC.

Shadow HRA: in-combination effects

4.52 Sherwood Forest ppSPA has been assessed as having likely significant effects from the Local Plan on its own for:

- Physical damage and loss of off-site habitat.
- Non-physical disturbance.
- Cat predation.
- Air quality.
- Recreational pressure.

4.53 Given there are assumed distances at which effects could be significant for impacts resulting from cat predation (400m from the ppSPA boundary) and non-physical disturbance (500m from the ppSPA boundary), in combination effects from these impacts are unlikely and do not need to be considered at Appropriate Assessment. However, close distances are not a limiting factor for the other impact types:

- Physical damage and loss of off-site habitat.
- Air quality.
- Recreational pressure.

4.54 Therefore in-combination effects for these impacts have been assessed in the Shadow Appropriate Assessment in relation to the ppSPA.

Taking a precautionary approach, in-combination effects for physical damage and loss of off-site habitat; air quality; and recreational pressure are considered in the Shadow Appropriate Assessment for Sherwood Forest ppSPA.

Screening Conclusion

Summary of screening outcomes

4.55 Table 4.1 summarises the HRA screening conclusions regarding whether likely significant effects (LSEs) in relation to each broad impact type would occur for each European site as a result of the Bassetlaw Local Plan.

4.56 The screening assessment concluded the Bassetlaw Local Plan alone would not result in likely significant effects on any of the European sites outside of the District. However likely significant effects in-combination with other Local Plans on water quality in relation to Humber Estuary SAC, SPA and Ramsar cannot be ruled out.

Table 4.1: Summary of screening conclusions

European site	Physical damage/loss of habitat	Non-physical disturbance (noise, vibration and light pollution)	Air pollution	Impacts of recreation	Cat predation	Water quantity and quality
Birklands and Bilhaugh SAC	No LSE	No LSE	No LSE	LSE uncertain	No LSE	No LSE
Hatfield Moor SAC	No LSE	No LSE	No LSE	No LSE	No LSE	No LSE
Thorne Moor SAC	No LSE	No LSE	No LSE	No LSE	No LSE	No LSE
Thorne and Hatfield Moors SPA	No LSE	No LSE	No LSE	No LSE	No LSE	No LSE
The Humber Estuary SAC, SPA and Ramsar site	No LSE	No LSE	No LSE	No LSE	No LSE	LSE uncertain (in-combination)

Shadow HRA: screening conclusion

4.57 It is concluded that the Sherwood Forest ppSPA would not be affected by changes in water quantity or quality as a result of the Local Plan alone or in-combination. However, likely significant effects as a result of physical damage or loss

of off-site habitat, disturbance from noise, vibration and light, air pollution, recreation impacts and cat predation associated with the housing and employment development proposed to be delivered through policies and site allocations in the Local Plan are uncertain and therefore require further assessment at the Appropriate Assessment stage, as show in **Table 4.2**.

Table 4.2: Summary of screening conclusions for shadow HRA

European site	Physical damage/loss of habitat	Non-physical disturbance (noise, vibration and light pollution)	Air pollution	Impacts of recreation	Cat predation	Water quantity and quality
Sherwood Forest ppSPA	LSE uncertain (off-site) – alone and in-combination	LSE uncertain (off-site)	LSE uncertain – alone and in-combination	LSE uncertain – alone and in-combination	LSE uncertain	No LSE

Chapter 5

Appropriate Assessment

5.1 Following the screening stage, the plan-making authority is required under Regulation 102 of the Habitats Regulations 2017 (as amended) to make an ‘Appropriate Assessment’ of the implications of the plan for European sites, in view of their conservation objectives.

5.2 European Commission Guidance²⁶ states that the Appropriate Assessment should consider the impacts of the plan (either alone or in-combination with other projects or plans) on the integrity of European sites with respect to their conservation objectives and to their structure and function.

5.3 A European site’s integrity depends on it being able to sustain its ‘qualifying features’ (i.e. those Annex 1 habitats, Annex II species, and Annex 1 bird populations for which it has been designated) and to ensure their continued viability. A high degree of integrity is considered to exist where the potential to meet a European site’s conservation objectives is realised and where the European site is capable of self-repair and renewal with a minimum of external management support.

5.4 The Appropriate Assessment stage seeks to determine whether implementation of the Bassetlaw Local Plan will result in an adverse effect on the integrity of the whole European site in question (many European sites are made up of a number of fragments of habitat). This stage therefore needs to focus on those impacts judged likely to have a significant effect on the qualifying features of European sites, or where insufficient certainty regarding this remained at the screening stage. It also considers the potential for in-combination effects from development proposed in neighbouring authorities’ Local Plans. Consideration was given to mitigation measures that already are or may be included in the Local Plan to reduce the likelihood and significance of effects on European sites.

5.5 The screening assessment determined that it is uncertain if in-combination effects as a result of changes in water quality and quantity could occur in relation to Humber Estuary SAC, SPA and Ramsar, and recreational impacts could occur at Birklands and Bilhaugh SAC (see **Table 4.1**). The full Appropriate Assessment for these European sites is set out below. The Shadow HRA Appropriate Assessment for the Sherwood Forest ppSPA follows from **paragraph 5.17**.

²⁶ *Assessment of plans and projects significantly affecting European sites. Methodological guidance on the provisions of Article 6(3) and (4) of the Habitats Directive 92/43/EEC.* European Commission Environment DG, November 2001.

5.6 Note that, as recorded at the end of this chapter, a working draft of the Draft Local Plan (November 2020) was subject to HRA by LUC in October 2020 and a number of recommendations for the plan were identified. BDC addressed those within the final version of the Draft Local Plan (see **Table 5.2**) and the final version of the policies have therefore been referred to in reaching the final conclusions of the Appropriate Assessment set out below.

Birklands and Bilhaugh SAC

5.7 The screening assessment identified that all residential site allocations have potential to result in recreational disturbance effects upon Birklands and Bilhaugh SAC (specifically in the vicinity of the Sherwood Forest Visitor Centre), either alone or in-combination. In addition to housing allocations, the policies listed below were assessed as having an uncertain likely significant effect in relation to recreational disturbance upon Birklands and Bilhaugh SAC, due to their general provision for an increase in housing and therefore population in the local areas, or due to their support for an increase in visitors to the District in general:

- ST1 - Bassetlaw Spatial Strategy (10,013 total dwellings within the District as a whole for the lifetime of the Local Plan).
- ST2 – Rural Bassetlaw.
- ST6 – Worksop Central.
- ST13 - Visitor Economy.

5.8 Given the increase in population described above, these policies have the potential to increase recreational pressure on the SAC. The SAC is designated for Old acidophilous oak woods. The Site Improvement Plan²⁷ (SIP) recognises public access/disturbance as an issue and specifically relates this to the presence of the Sherwood Forest Visitor Centre. Potential effects on the qualifying habitat of the SAC arising from visitor pressure include:

- Soil compaction.
- Nutrient enrichment.
- Direct loss of trees (vandalism/ health and safety).
- Non-native species.
- Altered ecological succession.

5.9 Such impacts can affect the health of soils, tree roots and the associations with mycorrhizal fungi, which in turn can have impacts on the health of the veteran and ancient trees as well as emerging cohorts. Since preparation of the SIP, the

visitor centre has been moved out of the SAC itself to Edwinstowe, in order to provide an opportunity for habitat restoration. Nevertheless, the visitor centre still represents a gateway to the forest and is only around 150m from the SAC itself.

5.10 Therefore, the Local Plan could result in adverse effects on the integrity (AEoI) of the SAC habitats as a result of recreation. The Council has commissioned a Recreational Impact Assessment for this site. This includes establishing a zone of influence for the site. The Draft Local Plan also states that this study will identify potential management and mitigation measures, which will feed into future iterations of the Local Plan and this HRA.

5.11 Drawing on recommendations from the HRA work, Policy ST42: Biodiversity and Geodiversity requires housing development within the zones of influence to make provision for appropriate management, mitigation and monitoring on site, to address recreational impacts. It is envisaged that such avoidance and mitigation requirements could include:

- Strategic Access Management and Monitoring (SAMM) for the SAC – with contributions to be made by the relevant development applicants in accordance with suitable requirements.
- Suitable Alternative Natural Greenspace (SANG) - provision of a proportionate area of high quality SANGs within the relevant policies in line with the requirements specified by NE. A SANG should be ready for use prior to occupation and will need to be managed, monitored and funded to meet the requirements specified in perpetuity.

5.12 It is noted that the majority of residential allocations require the inclusion of open space and/or green infrastructure, or contributions to off-site open space. Of particular note, Policy ST3: Bassetlaw Garden Village includes requirement for at least 40% of the site to be green and blue infrastructure, including a SANG comprising a 4 mile route around the site. In addition, Policy 29: HS13 – Ordsall South includes provision of a 23ha country park. However, such requirements do not make specific reference to ensuring open space is designed and managed in a way to draw visitors away from the SAC, therefore the mitigation discussed above will need to address this. Given that Natural England and RSPB are involved in the Recreational Impact Assessment, it is likely that any recommendations from that study, which are subsequently included in the Local Plan, will be adequate to ensure no adverse effects on integrity of the SAC. However, this will be reviewed as part of the HRA at the Reg. 19 stage of the Local Plan preparation and any further mitigation

²⁷ Natural England (2015) Site Improvement Plan: Birklands and Bilhaugh, Available at:

<http://publications.naturalengland.org.uk/publication/6727956374224896>, Accessed 22/10/2020

measures considered necessary to include the plan will be recommended.

5.13

Given the mitigation and monitoring requirements of Policy ST42: Biodiversity and Geodiversity, and assuming any further recommendations from the Recreation Impact Assessment will be integrated into the Local Plan, it can be concluded that the Local Plan would not lead to AEoI on Birklands and Bilhaugh SAC in relation to increases in recreational pressure.

Humber Estuary SAC, SPA and Ramsar site

5.14 The Humber Estuary SAC, SPA and Ramsar lies north of Bassetlaw District and has hydrological connectivity via the River Trent which forms the eastern boundary of the District. However, the SAC and Ramsar are just over the 15km buffer in which significant effects are considered likely, and the SPA is over 25km north. In addition, the River Trent is a main river with several large settlements along it. The sites most likely to affect the River Trent, and therefore the Humber Estuary European sites, are those allocated via ST7: Cottam Priority Regeneration Area and ST9: Site EM008 - High Marnham Green Energy Hub, as these lie in close proximity to the River Trent. Both of these sites constitute previously developed land and therefore development should have lesser impacts on the River Trent than greenfield sites. Policy ST7: Cottam Priority Regeneration Area requires development to protect and enhance the water quality of the River Trent. Furthermore, policy ST55: Protecting Water Quality and Management provides mitigation measures to protect water quality, specifically including the following:

- In line with the objectives of the Water Framework Directive, development must not result in any waterbody failing to meet the element and overall class status set out in the Humber River Basin Management Plan. Where possible, development should actively contribute to enhancing the status of the waterbody through positive actions or ongoing projects.
- Development will not be supported where the drainage of surface water would adversely affect areas important for biodiversity.

Therefore, given the nature of site allocations ST7 and ST9 and the mitigation requirements already included in policy ST55, it is not considered the Local Plan could result in adverse effects on

integrity upon this European site either alone or in-combination.

Identification of other plans and projects which may have 'in-combination' effects

Water quality and quantity

5.15 The Screening assessment identified potential water quality effects as a result of the Bassetlaw Local Plan in-combination with other plans and policies on the Humber Estuary SAC, SPA and Ramsar site. The appropriate assessment considers that no in-combination effects on water quality are likely to arise as a result of the Local Plan, due to the small quantity of development in proximity to the River Trent and policy provision to protect water quality.

Recreational pressure

5.16 The Screening assessment identified potential recreational disturbance effects as a result of the Bassetlaw Local Plan in-combination with other plans and policies upon Birklands and Bilhaugh SAC. However, the Appropriate Assessment identified no AEoI as a result of recreational disturbance arising from the Bassetlaw Local Plan upon Birklands and Bilhaugh SAC. Although in-combination effects cannot be ruled out entirely if taking a precautionary approach, the assessments of other Local Plans (see **Appendix C**) do not predict likely significant effects upon European sites or Birklands and Bilhaugh SAC from recreation, although the Newark and Sherwood Local Plan HRA recommends working closely with neighbouring authorities surrounding Sherwood Forest to improve the understanding of potential visitor pressures at Sherwood Forest ppSPA and Birklands and Bilhaugh SAC. This has commenced with the commissioning of the Recreational Impact Assessment, which is aiming to establish a zone of influence within which recreational pressure is likely to be significant. The Draft Local Plan also states that this study will identify potential management and mitigation measures, which will feed into future iterations of the Local Plan and this HRA. Therefore, it is concluded that in-combination impacts in relation to this and other Local Plans should be able to be avoided, and this will be reviewed at the Reg. 19 stage of the HRA.

No AEoI have been identified in-combination with other plans and policies upon the Birklands and Bilhaugh SAC in relation to recreational disturbance, or upon the Humber Estuary SPA, SAC and Ramsar site in relation to water quality.

Shadow HRA: Appropriate Assessment

5.17 Likely significant effects arising from the Bassetlaw Local Plan, were identified for Sherwood Forest ppSPA in relation to the following impact types:

- Physical damage/loss of offsite habitat.
- Air quality.
- Recreational pressure.
- Noise vibration and light pollution.
- Cat predation.

5.18 Although the Sherwood Forest ppSPA is not currently a designated European site, in line with the Natural England Advice Note (March 2014) referred to in **Chapter 3** and the precautionary principle underpinning HRA, Appropriate Assessment has been undertaken for the Sherwood Forest ppSPA to determine whether the Local Plan will result in Adverse Effects on its Integrity (AEoI). The Appropriate Assessment findings are detailed below. A conclusion has been reached as to whether or not policies and site allocations in the Bassetlaw Local Plan would adversely affect the integrity of the ppSPA by considering whether the predicted impacts of the proposals (either alone or in-combination) have the potential to²⁸:

- Disrupt factors that help to maintain the favourable conditions of the site.
- Interfere with the balance, distribution and density of key habitats and species that are the indicators of the favourable condition of the site.

5.19 The conservation objectives for the Sherwood Forest ppSPA are not yet defined, but are likely to be similar to other designated SPAs, i.e. to ensure that the integrity of the site is maintained or restored as appropriate, and to ensure that the site contributes to achieving the Favourable Conservation Status of its Qualifying Features, by maintaining or restoring:

- The extent and distribution of the habitats of the qualifying features.
- The structure and function of the habitats of the qualifying features.
- The supporting processes on which the habitats of the qualifying features rely.
- The population of each of the qualifying features.
- The distribution of the qualifying features within the site.

Physical Damage/Loss of Off-site Habitat

5.20 None of the site allocations include habitat types considered suitable for supporting breeding populations of nightjar or woodlark, for which the ppSPA is likely to be designated (e.g. heathlands or felled forestry plantation). As a result, the consideration of damage and loss of off-site habitat relates solely to the potential for land within site allocations to contribute towards maintaining the extent of foraging habitats and movement corridors.

5.21 Outside of the breeding season, woodlark will use arable land for foraging in the winter often roaming widely as part of mixed flocks. Nightjar, during the breeding season will often travel several kilometres from their breeding sites at night to feed. Typically, utilising habitat types which provide an abundance of invertebrate food sources, such as wetlands, woodlands, tree lines, and grasslands with high species and structural diversity.

5.22 A detailed desk-based assessment of each site has been undertaken to inform the Appropriate Assessment. **Table 5.1** summarises each site allocation with potential supporting habitat (as identified at the screening stage, see **Appendix B**), including the size and suitability of the site to support significant numbers of nightjar and/or woodlark during offsite foraging. Amber shading shows those site allocations where it is not yet possible to conclude no AEoI.

Table 5.1: Desk study of site allocations with potential supporting habitat

Site allocation	Size (ha)	Suitability of habitat to support nightjar and/or woodlark during offsite foraging
ST3: Bassetlaw Garden Village (500 new dwellings within the plan period (around 4,000 beyond 2037) and 15ha of	216	This site supports no habitat types considered suitable for nesting ppSPA birds. Arable habitat may contribute to providing a winter foraging resource for woodlark. In line with a <u>highly precautionary</u> approach, it is recommended that as part of project level HRA, winter bird surveys are undertaken to determine the contribution that this site provides to supporting wintering woodlark.

²⁸ These points have been taken from the European Commission Environment DG (2001) Assessment of plans and projects significantly affecting European sites. Methodological guidance on the provisions of Article 6(3) and (4) of the Habitats Directive 92/43/EEC. This guidance also refers to consideration of whether development would delay achievement of or interrupt

progress towards achieving conservation objectives. Reference to conservation objectives has been removed as these have not been established for the ppSPA.

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Site allocation	Size (ha)	Suitability of habitat to support nightjar and/or woodlark during offsite foraging
employment development (as part of an overall capacity of 20ha beyond 2037))		If significant numbers of woodlark are identified, mitigation may be required through the provision of areas of optimal foraging habitat (e.g. seed-rich set aside land) either within the site, or offsite in the wider landscape.
ST7: Cottam Priority Regeneration Area (safeguarded for up to 14ha employment land, a transport hub and 1,400 dwellings)	348	The site includes areas of wetland, arable, grassland and scrub, which could be suitable for breeding and foraging habitat for woodlark and nightjar. However, most of this habitat is within Cottam Wetlands Local Wildlife Site, which the policy states should be protected and enhanced. As such, this habitat is not expected to be lost to development. Furthermore, the site may have experienced some disturbance from the power station. The area of arable land lies outside the Local Wildlife Site, but given its relatively small size, distance from the ppSPA and extensive habitat of this type in the surrounding area, it is unlikely bird populations would rely on this site allocation to maintain their favourable status. There is a small area of grassland/scrub outside the Local Wildlife Site, but given the substantial distance from the ppSPA and the fact it is not in a woodland clearing, it is unlikely to be important to maintaining the population of woodlark and nightjar in the ppSPA.
10: Site SEM01 – Apleyhead Junction, Worksop	118.7	This site supports no habitat types considered suitable for nesting ppSPA birds. Arable habitat may contribute to providing a winter foraging resource for woodlark, but given the abundance and distribution of such habitats in the wider landscape, the importance of this site in contributing to maintenance of the wintering population is likely to be low. Woodland in the site may provide some contribution towards maintaining the extent and connectivity of offsite foraging habitat for nightjar, but this contribution is likely to be insignificant at a landscape scale. Furthermore, the policy makes commitments that the new development will protect and enhance the woodland and provide mitigation for any loss through the creation of an access from the A57. In line with a <u>highly precautionary approach</u> , it is recommended that as part of project level HRA, winter surveys are undertaken to determine the contribution that this site provides to supporting wintering woodlark. In the highly unlikely event that significant numbers of woodlark are identified, mitigation may be required through the provision of areas of optimal foraging habitat (e.g. seed-rich set aside land) either within the site, or offsite in the wider landscape.
17: Site HS1 - Peaks Hill Farm, Worksop (1,000 new dwellings)	54	The site supports a mixture of arable fields with several areas of woodland. However, several factors limit its potential importance for foraging and breeding nightjar and woodlark, such as flight lines from the ppSPA being interrupted by significant urban development given the location of this site to the north of Worksop, and its distance from the ppSPA (3.7km away). Furthermore, there is sufficient suitable habitat in the more immediate landscape around the ppSPA and it is unlikely bird populations would rely on this site allocation to maintain their favourable status.
19: Site HS3 – Radford Street (120 new dwellings)	3.5	This site is a relatively small field of rough grassland habitat around 1.3km from the ppSPA. Given the small size of the site and its setting within the urban area, it is highly unlikely that this site would be important in contributing to the availability of foraging habitat for ppSPA bird species.
21: Site HS5 - Talbot Road, Worksop (15 new dwellings)	0.4	This site is a relatively small field of rough grassland habitat 1.3km from the ppSPA. Given the small size of the site and setting within a housing estate, it is highly unlikely that this site would be important in contributing to the availability of foraging habitat for ppSPA bird species.
22: Site HS6 - Former Knitwear Factory, Retford Road, Worksop (54 new dwellings)	1.9	This site comprises disturbed grassland, scrub and some areas of bare ground and hardstanding, lying 1.4km from the ppSPA. These habitats are of low suitability for ppSPA birds and are highly unlikely to contribute to maintaining ppSPA populations.
23: Site HS7 - Trinity Farm, Retford (244 new dwellings)	10.7	Site HS7 - Trinity Farm, Retford is located 5.8km from the ppSPA. The site is comprised predominantly of arable land with a small woodland copse along the southern boundary. Given the distance from the ppSPA, the presence of more suitable habitats within a closer proximity to the ppSPA and the habitat severance due to existing settlements and strategic roads, it is unlikely that this site would provide important habitat for the ppSPA bird species.

Site allocation	Size (ha)	Suitability of habitat to support nightjar and/or woodlark during offsite foraging
25: Site HS9 – Former Elizabethan High School (at least 46 new dwellings)	1.3	This is a brownfield site located approximately 6.3km from the ppSPA. It supports disturbed grassland and bare ground. These habitats are of low suitability for ppSPA birds and are highly unlikely to contribute to maintaining ppSPA populations. In addition, the site lies within the urban area of Worksop.
27: HS11 – Fairy Grove, Retford (60 new dwellings)	2.7	This site lies around 6km from the ppSPA. The allocation site supports suitable winter foraging opportunities for woodlark, as part of the site is arable land, with the remainder being mostly disturbed grassland with two residential buildings present. Given the distance from the ppSPA, small size of the arable part of the site and abundance of more suitable habitat in the wider landscape, it is unlikely bird population from the ppSPA would rely on this site for foraging habitat.
29: HS13 – Ordsall South, Retford (800 new dwellings)	unknown	This site lies approximately 3.4km from the ppSPA. It supports suitable winter foraging opportunities for woodlark, in arable habitat. Due to its distance from the site and the abundance of similar habitat in the wider landscape, it is unlikely bird population from the ppSPA would rely on this site for foraging habitat.
30: Site NP04 - Ollerton Road, Tuxford (90 new dwellings)	1.5	This site lies 6km from the ppSPA and comprises an arable field. Given the distance from the ppSPA, small size of the site and abundance of more suitable habitat in the wider landscape, it is unlikely bird population from the ppSPA would rely on this site for foraging habitat.

5.23 Table 5.1 shows that, with the exception of ST3 - Bassetlaw Garden Village and 10: Site SEM01 – Apleyhead Junction, the site allocations in the Local Plan are unlikely to be important in maintaining the integrity of the bird populations at Sherwood Forest ppSPA. However, a conclusion of no adverse effects on integrity (AEoI) cannot be reached for ST3 - Bassetlaw Garden Village and 10: Site SEM01 – Apleyhead Junction, Worksop site allocations, as summarised below:

- ST3 - Bassetlaw Garden Village and 10: Site SEM01 – Apleyhead Junction, Worksop sites both support suitable off-site winter foraging habitat for woodlark within arable fields. These sites on their own are unlikely to be important in contributing to the maintenance of the populations of this species. However, in-combination and/or cumulatively, these sites could be of greater importance for supporting woodlark. Therefore, further site level assessment and / or targeted surveys are required to inform any avoidance and/or mitigation measures at the project level. This is considered highly precautionary because the loss of such land could be mitigated through the provision and/or enhancement of alternative land either within the site allocations or with off-site habitat creation and/or mitigation.
- ST3 - Bassetlaw Garden Village and 10: Site SEM01 – Apleyhead Junction, Worksop sites both support suitable off-site foraging habitat for nightjar along treelines and in areas of woodland. These sites on their own are unlikely to be important in contributing to the maintenance of the populations of this species. However, in-combination and/or cumulatively, these sites could be of greater importance for supporting nightjar. This is considered

highly precautionary because the loss of such land could be mitigated through the provision and/or enhancement of alternative land either within the site allocations or off-site habitat creation and/or mitigation. Furthermore, sensitive scheme design at the project level would be expected to be capable of protecting any existing linear ecological corridors and significantly increasing the extent of optimal foraging habitat within the allocations.

5.24 As recommended through the HRA work, Policy ST3 – Bassetlaw Garden Village and Policy 10: Site SEM01 - Apleyhead Junction include a requirement for project-level HRA for these sites, including wintering bird surveys, to ensure no adverse effects on the ppSPA.

Subject to further survey work in respect of wintering woodlark and/or the agreement of mitigation measures with Natural England through the project-level HRAs now required in the relevant site allocation policies, it can be concluded that the Local Plan would not lead to AEoI on Sherwood Forest ppSPA in relation to loss of off-site foraging habitat for woodlark and nightjar.

Non-physical disturbance (noise, vibration and light)

5.25 The screening assessment identified likely significant effects were uncertain for non-physical disturbance upon Sherwood Forest ppSPA as a result of policies at the ST3 - Bassetlaw Garden Village and 10: Site SEM01 – Apleyhead Junction, Worksop site allocations, including provision for housing and employment development. The ST3 - Bassetlaw Garden Village site allocation lies around 240m away from the

ppSPA, however the A1 major road lies between the allocation and European site, and therefore it is considered that not only would this act as a barrier to the noise, vibration and light arising from the allocation, the existing baseline of disturbance in that location would mean that noise, vibration and light effects arising from construction and occupation of the new Garden Village would be unlikely to be greater than the existing disturbance from the A1 for the ppSPA birds. Similarly, the 10: Site SEM01 – Apleyhead Junction, Worksop employment site allocation lies 250m away from the ppSPA and is the other side of the A57 major road. Therefore, the same conclusion in respect to air, noise and light effects can be reached.

In light of the above, a conclusion of no AEoI can be reached in relation to the effect of noise, vibration and light disturbance on Sherwood Forest ppSPA either alone or in-combination.

Air Quality

5.26 The screening assessment identified policies that provide for new housing and employment, particularly allocation sites, have potential to result in air pollution effects upon the ppSPA, either alone or in-combination. Sherwood Forest ppSPA comprises habitats which thrive in nutrient poor conditions, therefore, the site is particularly sensitive to nutrient enrichment, which can lead to changes in habitat composition and ultimately affect the suitability and availability of habitat for the bird species the site will be designated for. Given primary roads within the district, including the A60, A1, A57 and A614 all pass through and/or within 200m of the Sherwood Forest ppSPA, an increase in population as a result of policies resulting in development in proximity of these roads has the potential to result in increased traffic and an in-combination air pollution effect upon the ppSPA. Air pollution is listed as a threat for Sherwood Forest ppSPA, however it is not listed within the IBA factsheet as one of the highest priority threats for the site.

5.27 Policy 10: Apleyhead Junction, Worksop requires development to be supported by an Air Quality Management Strategy to help protect the features of the ppSPA. However, likely in-combination effects with other development in the District remain.

5.28 Road traffic AADT calculations are required along the A60, A1, A57 and A614 in proximity to Sherwood Forest ppSPA to determine whether air pollutant thresholds will be exceeded in-combination with other plans and projects as a result of policies within the Local Plan. If AADT levels are

forecast to change by more than 1,000 then air quality modelling will be required to determine whether air pollution levels exceed those which are considered acceptable for the Sherwood ppSPA habitats, in order to conclude whether the Plan will result in AEoI and if avoidance and mitigation measures can be applied which would prevent AEoI.

In light of the above and in accordance with the precautionary principle, a conclusion of no AEoI cannot be reached in relation to the effect of air pollution on Sherwood Forest ppSPA either alone or in-combination. **Further traffic data is required to determine whether traffic flows along the major roads identified will increase by more than 1,000 as a result of the Local Plan alone or in-combination with other planned growth.** If so, air quality modelling will be required to inform the Appropriate Assessment conclusion.

Recreational Pressure

5.29 The screening assessment identified that all residential site allocations have potential to result in recreational disturbance effects upon Sherwood Forest ppSPA, either alone or in-combination. Policy ST3: Bassetlaw Garden Village includes a requirement for provision of a pedestrian/cycle bridge from the site to land adjacent to Lime Tree Avenue, post 2037 and Policy ST4: Bassetlaw Garden Village Spatial Design Framework includes a requirement for new and improved pedestrian and cycle links from the site to Clumber Park. Lime Tree Avenue runs through the ppSPA, therefore these policies could increase visitor numbers in the ppSPA.

5.30 In addition to housing allocations, the policies listed below were assessed as having an uncertain likely significant effect in relation to recreational disturbance upon Sherwood Forest ppSPA due to their general provision for an increase in housing and therefore population in the local areas, or due to their support for an increase in visitors to the District in general:

- ST1 - Bassetlaw Spatial Strategy (10,013 total dwellings within the District as a whole for the lifetime of the Local Plan).
- ST2 – Rural Bassetlaw.
- ST6 – Worksop Central.
- ST13 - Visitor Economy.

5.31 Recreational disturbance is listed as the highest level of threat in the IBA factsheet²⁹ and is therefore also assumed for

²⁹ <http://datazone.birdlife.org/site/factsheet/sherwood-forest-iba-united-kingdom/details>

the for the ppSPA. At least **10,013** new dwellings are proposed within the District as a whole as part of the Local Plan.

5.32 Given the increase in population described above, these policies have the potential to increase recreational pressure on the ppSPA, which can lead to bird disturbance, predation, and displacement, and this can reduce breeding success or the ability of birds to breed and survive. Therefore, the Local Plan could result in adverse effects on the integrity of the ppSPA nightjar and woodlark populations as a result of recreation.

5.33 The Council has commissioned a Recreational Impact Assessment for the Clumber Park SSSI and Birklands and Bilhaugh SAC, both of which overlap with the ppSPA. This will establish a zone of influence for the site. The Draft Local Plan also states that this study will identify potential management and mitigation measures, which will feed into future iterations of the Local Plan and this HRA. Following recommendations from the HRA work, Policy ST42: Biodiversity and Geodiversity requires housing development within the zones of influence to make provision for appropriate management, mitigation and monitoring on site, to address recreational impacts. It is envisaged that such avoidance and mitigation requirements could include:

- Strategic Access Management and Monitoring (SAMM) for the ppSPA itself – with contributions to be made by the relevant development applicants in accordance with suitable requirements.
- Suitable Alternative Natural Greenspace (SANG) - provision of a proportionate area of high quality SANGs within the relevant policies in line with the requirements specified by NE. A SANG should be ready for use prior to occupation and will need to be managed, monitored and funded to meet the requirements specified in perpetuity.
- Parking restrictions in and around the ppSPA during the critical months of April and May, which are the most sensitive part of the breeding season for woodlark and nightjar.

Given the mitigation and monitoring requirements of Policy ST42: Biodiversity and Geodiversity, and assuming any further recommendations from the Recreation Impact Assessment will be integrated into the Local Plan, it can be concluded that the Local Plan would not lead to AEoI on Sherwood Forest ppSPA in relation to increases in recreational pressure.

Cat Predation

5.34 The screening assessment identified that the ST3 - Bassetlaw Garden Village site allocation has the potential for likely significant effects on the Sherwood Forest ppSPA as a result of increased residential dwellings and associated increases in cat predation.

5.35 Cat predation is only considered to pose a risk to birds when they are nesting in the ground, therefore cat predation is only a threat where breeding habitat has been identified within the site. The small, isolated areas of woodland in the site, and lack of cleared areas and/or scrub which is required for breeding, is considered unsuitable for the ppSPA species to breed. Therefore cat predation within the site allocation is not anticipated. Cats from within the housing allocation could also predate on breeding birds within the ppSPA itself. The A1 lies in-between the allocation site and the ppSPA, which as a large road would deter cats from crossing and entering the ppSPA. However, the possibility of cats crossing this road at night to hunt cannot be ruled out entirely.

5.36 The previous iteration of HRA (published in January 2020) recommended that Policy ST3 – Bassetlaw Garden Village should be updated to include the following:

- 400m exclusion zones around the ppSPA boundary so no residential development will lie within this distance of the ppSPA (as shown in Figure 3.1, the ppSPA boundary relates to the Important Bird Areas currently identified by Natural England);
- No creation of suitable breeding habitat (e.g. heathlands and clearfell habitats) within the site allocation within 400m of any areas of residential housing.

5.37 The policy now requires a green infrastructure buffer of 400m adjacent to the A1, to minimise the risk of cat predation. The policy also states that 'habitats that support protected ground nesting bird species associated with Clumber Park SSSI are not placed within 400m of residential properties, which addresses these previous recommendations.

Given the measures now included in Policy ST3 – Bassetlaw Garden Village, it can be concluded that the Local Plan would not lead to AEoI on Sherwood Forest ppSPA in relation to cat predation.

Identification of other plans and projects which may have 'in-combination' effects

5.38 The Bassetlaw Local Plan was identified at Screening stage as having potential in-combination effects on Sherwood Forest ppSPA as a result of:

- Physical damage and loss of off-site habitat.

- Air quality.
- Recreational pressure.

Physical damage and loss of off-site habitat

5.39 The Appropriate Assessment concluded that, subject to further survey work in respect of wintering woodlark and the agreement of mitigation measures with Natural England as part of a project-level HRA, the Local Plan would not lead to AEoI on Sherwood Forest ppSPA in relation to loss of off-site foraging habitat for woodlark and nightjar. The assessment of this impact type is 'in-combination' in its nature, and the avoidance and mitigation measures relied upon will ensure that in-combination effects as a result of physical damage and loss of offsite habitat will be avoided.

Air Quality

5.40 The Appropriate Assessment was unable to determine if AEoI were likely for Sherwood Forest ppSPA for air quality. Road traffic AADT forecasts are required along the A60, A1, A57 and A614 in proximity to Sherwood Forest ppSPA to determine whether air pollutant thresholds will be exceeded in-combination with other plans and projects as a result of policies within the Local Plan, as well as growth planned within neighbouring plans.

5.41 If AADT levels are forecast to change by more than 1,000, air quality modelling will be required to determine whether air pollution levels exceed those which are considered acceptable for the Sherwood ppSPA habitats, and to conclude whether the Plan will result in AEoI, or if avoidance and mitigation measures can be applied which would prevent such AEoI.

5.42 At this stage it is considered likely, based on initial discussions with BDC regarding indicative calculations, that AADT thresholds will be exceeded and detailed air quality modelling and consultation with Natural England, will be required.

5.43 If detailed air quality modelling is required it would likely involve the identification of impacts at given distance thresholds along transects into the ppSPA and consideration of the habitat types present and their vulnerability to the air quality changes predicted at given locations.

5.44 Nevertheless, it is recognised that a confirmed boundary has not been defined for the ppSPA and furthermore, the main component habitat type within the ppSPA is rotational coniferous plantation, which in light of the rotational harvesting cycle of this habitat crop, is far more resilient to the effects of nutrient enrichment from traffic related air pollution than equivalent habitats which support these birds, such as lowland heathland. As a result, if changes in air quality exceed the

threshold levels it is considered likely at this stage that such effects could be mitigated to avoid AEoI.

5.45 At this stage, the potential for in-combination air quality impacts to adversely affect the integrity of the ppSPA cannot be ruled out and further work is required.

Recreational Pressure

5.46 The Screening assessment identified that there could be potential recreational disturbance effects as a result of the Bassetlaw Local Plan in-combination with other plans and policies upon Sherwood Forest ppSPA. However, the Appropriate Assessment identified no AEoI as a result of recreational disturbance arising from the Bassetlaw Local Plan upon Sherwood Forest ppSPA alone. . The assessments of other Local Plans (see **Appendix C**) do not predict likely significant effects upon the Sherwood Forest ppSPA from recreation, although the Newark and Sherwood Local Plan HRA recommends working closely with neighbouring authorities surrounding Sherwood Forest to improve the understanding of potential visitor pressures at Sherwood Forest ppSPA and Birklands & Bilhaugh SAC. This has commenced with the commissioning of a Recreational Impact Assessment, which is aiming to establish a zone of influence within which recreational pressure is likely to be significant. Following recommendations from the HRA work, Policy ST42: Biodiversity and Geodiversity requires housing development within the zones of influence to make provision for appropriate management, mitigation and monitoring on site, to address recreational impacts. Therefore, it is concluded that in-combination impacts in relation to this and other Local Plans can be avoided.

No AEoI have been identified in-combination with other plans and policies upon the Sherwood Forest ppSPA in relation to recreational disturbance.

Further surveys and data are required to determine if there will be an in-combination AEoI in relation to loss of off-site habitat and air quality for Sherwood Forest ppSPA.

Recommendations

5.47 A working draft of the Draft Local Plan (November 2020) was subject to HRA by LUC in October 2020 and a number of recommendations for the plan were identified. These recommendations are set out in **Table 5.2**, along with a record of the changes BDC made the Draft Local Plan in response to these.

5.48 Note that the reference in our recommendation for Policy ST3 to enhancing walking and cycling links to Clumber Park should have referred to Policy ST4 – Bassetlaw Garden

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Village Spatial Design Framework. Whilst Policy ST4 – Bassetlaw Garden Village Spatial Design Framework does not specifically refer to potential for increases in recreation pressure at the ppSPA in relation to this, the general

measures regarding managing recreation at the site are considered sufficient to ensure this does not result in adverse effects on the integrity of the ppSPA.

Table 5.2: Recommendations made in the draft HRA and how Bassetlaw District Council has responded to these

Policy	Recommendations	Bassetlaw District Council's response
ST3: Bassetlaw Garden Village	<p>This policy should require project-level HRA, including winter bird surveys to determine the contribution that this site makes to supporting wintering woodlark at the ppSPA. The policy should also include a commitment to implementing mitigation measures agreed with Natural England, if the project-level HRA identifies an adverse effect on integrity of the ppSPA.</p> <p>Update to require the green infrastructure buffer along the A1 to be a minimum of 400m in order to minimise the likelihood of cat predation at the ppSPA.</p> <p>The policy should specify that no suitable breeding habitat should be created within the site allocation within 400m of any areas of residential housing.</p> <p>Further discussion with Natural England is required to ensure that the promotion of walking and cycling links to Clumber Park will not increase recreation pressure at the ppSPA. The policy should include a commitment to any measures agreed in this regard.</p>	<p>Policy amended as recommended.</p> <p>Policy amended as recommended.</p> <p>Policy amended as recommended.</p> <p>This work has commenced and is ongoing. A Recreational Impact Assessment is being undertaken with the involvement of Natural England.</p>
ST10: Site SEM01 - Apleyhead Junction, Worksop	<p>The word 'screening' should be removed from the requirement for a project-level HRA. This should also be expanded to specify that the HRA should include winter bird surveys to determine the contribution that this site makes to supporting wintering woodlark at the ppSPA. The policy should also include a commitment to implementing mitigation measures agreed with Natural England, if the project-level HRA identifies an adverse effect on integrity of the ppSPA.</p>	<p>Policy amended as recommended.</p>
<p>17: HS1 – Peaks Hill Farm, Worksop</p> <p>19: HS3 – Radford Street</p> <p>20: HS4 – Former Manton Primary School</p> <p>21: HS5 – Talbot Road, Worksop</p> <p>22: HS6 – Former Knitwear Factory, Retford Road, Worksop</p> <p>23: HS7 – Trinity Farm, Retford</p> <p>24: HS8 – Milnercroft, Retford</p> <p>26: HS10 – St Michael's View, Retford</p>	<p>These policies currently require project-level HRA. This is not considered necessary.</p>	<p>Policies amended as recommended.</p>
<p>ST48: Delivering Quality Open Space</p> <p>Or</p> <p>New policy</p>	<p>Include a commitment to provide avoidance and mitigation measures with regards to recreational impacts on Birklands and Bilhaugh SAC and the ppSPA, as agreed with Natural England.</p>	<p>Covered in Policy ST42: Biodiversity and Geodiversity</p>

Chapter 5

Appropriate Assessment

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Policy	Recommendations	Bassetlaw District Council's response
	<p>This could include:</p> <ul style="list-style-type: none"><li data-bbox="491 461 1086 584">■ Strategic Access Management and Monitoring (SAMM) for the sites themselves – with contributions to be made by the relevant development applicants in accordance with suitable requirements.<li data-bbox="491 607 1086 819">■ Suitable Alternative Natural Greenspace (SANG) - provision of a proportionate area of high quality SANGs in line with the requirements specified by NE. This should specifically be designed to draw visitors away from the ppSPA and should be ready for use prior to occupation and will need to be managed, monitored and funded to meet the requirements specified in perpetuity.<li data-bbox="491 842 1086 965">■ Parking restrictions in and around the ppSPA during the critical months of April and May, which are the most sensitive part of the breeding season for woodlark and nightjar (this applies to the ppSPA only).	

Chapter 6

Conclusions

Conclusions from Screening and AA stages

6.1 The HRA screening of the Bassetlaw Local Plan concluded that policies and site allocations in the Bassetlaw Local Plan alone, will not result in likely significant effects on the integrity of the following European sites on account of distance (all of which lie outside of the Bassetlaw district boundary) and/or a lack of pathways by which impacts could travel between source and receptor:

- Hatfield Moor SAC.
- Thorne Moor SAC.
- Thorne and Hatfield Moors SPA.
- The Humber Estuary SAC, SPA and Ramsar.

6.2 The screening identified the potential for in-combination effects as a result of changes in water quality and quantity upon the Humber Estuary SAC, SPA and Ramsar as uncertain. However, the Appropriate Assessment concluded that the effects of the Local Plan would be negligible, given the distance from the SPA and number of large towns along the river outside the District. In addition, policy ST55: Protecting Water Quality provides mitigation measures to protect water quality.

6.3 The screening assessment identified potential effects as a result of increased recreational pressure at Birklands and Bilhaugh SAC, particularly in proximity to the Sherwood Forest Visitor Centre. The Appropriate Assessment concluded that, given the protections now provided by Policy ST42 – Biodiversity and Geodiversity and the ongoing Recreational Impact Assessment work, adverse effects on integrity of the SAC should be able to be ruled out at the Regulation 19 stage, both as a result of the plan alone and in-combination with other plans and programmes.

6.4 As such, no adverse effects on integrity of any European site would occur as a result of the Local Plan.

Shadow HRA: Conclusions

6.5 The screening identified potential likely significant effects resulting from the Bassetlaw Local Plan alone upon the Sherwood Forest ppSPA as a result of:

- Physical loss or damage to off-site habitat.

- Noise/vibration and light pollution to off-site habitat.
- Air pollution.
- Impacts of recreation.
- Cat predation.

6.6 The screening identified potential likely significant effects in-combination with other plans and policies upon Sherwood Forest ppSPA as a result of the impacts listed above. However, due to examining further detail regarding the impact pathways (for noise/vibration and light pollution to off-site habitat) and the incorporation of recommended mitigation measures within relevant policies, the Appropriate Assessment concluded that no adverse effects on integrity of the ppSPA would occur as a result of the impact types listed above, with the exception of air pollution.

6.7 The Appropriate Assessment concluded that adverse effects on the integrity of Sherwood ppSPA as a result of the Local Plan alone or in-combination cannot be ruled out in relation to air pollution due to insufficient evidence available. Therefore, further information relating to traffic data, as well as consultation with Natural England, will be required. Nevertheless, it is recognised that a confirmed boundary has not been defined for the ppSPA and furthermore, the main component habitat type within the ppSPA is rotational conifer plantation, which in light of the rotational harvesting cycle of this habitat crop, is far more resilient to the effects of nutrient enrichment from traffic related air pollution than equivalent habitats which support these birds, such as lowland heathland. As a result, if changes in air quality exceed the threshold levels there are likely to be mitigatory and management options which would enable AEoI to be avoided. Nevertheless, in line with a precautionary approach, further information relating to traffic AADT figures and potentially air quality modelling, is required before the Local Plan is submitted for Examination.

LUC

November 2020

Appendix A

European sites within 15km of Bassetlaw District

1. Birklands and Bilhaugh Special Area of Conservation	
Site description	
<p>Covering an approximate area of 271.84 hectares, Birklands and Bilhaugh SAC is a landscape-remnant of the historic Sherwood Forest, which is of world renowned cultural significance due to the high concentration of ancient oak trees and associated folklore. The trees and open woodland- pasture habitat have been utilised over the centuries as a medieval Royal hunting forest, as a source of timber for the construction of cathedrals and English naval fleets, and more recently for public amenity, recreation and tourism. There is high public usage across the SAC supported by a network of Public Rights of Way and permissive paths. Part of the SAC forms part of the Sherwood Forest National Nature Reserve.</p> <p>The site lies on freely-draining, acidic, sandy soils and is notable for its rich invertebrate fauna, particularly spiders, and for a diverse fungal assemblage, including <i>Grifoa sulphurea</i> and <i>Fistulina hepatica</i>. The oak population consists of approximately equal numbers of the pedunculate oak <i>Quercus robur</i> and the sessile oak <i>Q. petraea</i> covering a wide range of size and age, including an exceptional population of ancient standing oaks. Although birch (mainly <i>Betula verrucosa</i>) forms groves between the oaks the canopy is, over large areas, still rather open allowing a dense bracken field layer to develop. A wide variety of fungi are present. Within the woodland occur glades of acid grassland dominated by the tussock-forming wavy-hair grass <i>Deschampsia flexuosa</i> and which contain such characteristic herbs as heath bedstraw <i>Galium saxatile</i> and tormentil <i>Potentilla erecta</i>.</p>	
Qualifying Features	
H9190	Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains
Site status*	<ul style="list-style-type: none"> ■ 96.87% in unfavourable (recovering) condition ■ 3.13% in unfavourable (no change) condition
Non-Qualifying Features	
<p>This habitat type relies on a range of supporting processes, structure and functions which influence the extend distribution of this feature.</p> <p>This habitat relies on old or over-mature elements of the woodland which are particularly characteristic and important features for the woodland, and their continuity should be a priority. This can be accomplished through active management, by managing selected trees to ensure that they reach veteran status (though tree ageing techniques where feasible), but also ensuring that sufficient regeneration occurs at a rate necessary to keep in line with veteran tree deaths. This is particularly important for hole-nesting birds.</p> <p>The habitat relies on continuity to maintain wood pasture conditions found. This can be achieved by ensuring the wide distribution of size and ages classes of the major site-native tree and shrub species are maintained, and that a variety of woodland habitats and niches are provided where required (through appropriate management techniques).</p> <p>The provision of some open, sunlit, tree-less areas to facilitate natural tree and shrub regeneration will provide habitat for woodland inverts, birds, vascular and lower plants. This can be achieved through natural or managed grazing, and will assist in restoring the habitat to a favourable condition.</p>	

1. Birklands and Bilhaugh Special Area of Conservation

This habitat type needs to maintain its resilience to environmental changes, so it can retain the same structure and functioning and cope with environmental stress and changes on the ecosystem. This can be achieved by maintaining the diversity of site-native trees.

The habitat must maintain the canopy and understorey of site native trees which are known to generally support a greater species assemblage. This will ensure that the abundance of H9190 Annex 1 habitat species, such as the oak polymore, are maintained.

Additionally, any invasive/non-native should be managed so that they are either rare or absent, and if present, causing minimal damage to H9190 features within the woodland.

The habitat relies on soil structure with space for water and air to move through to allow root growth, therefore soil management within root zones needs to ensure the prevention of soil compaction around mature and ancient trees. This could occur as a result of construction/management works or trampling from grazing or recreational activities.

There is a requirement to maintain or restore as necessary the concentration of air pollutants to a, or below, the critical load or level given for H9190 features of the Site. This is because this habitat type is sensitive to changes in air quality, as this could affect the chemical status of the soil and result in an impact on plant growth, species present and vegetation structure.

This habitat type provides natural patterns of light and darkness which woodland species have adapted to and rely on. Therefore it is essential that any artificial lighting is maintained at a level which will not result in an impact on the natural phenological cycles and processes of the woodland, or the features or species which utilise this habitat.

Special Area of Conservation objectives

Ensure that the integrity of the site is maintained or restored as appropriate, and ensure that the site contributes to achieving the Favourable Conservation Status of its Qualifying Features, by maintaining or restoring;

The extent and distribution of qualifying natural habitats

The structure and function (including typical species) of qualifying natural habitats, and,

The supporting processes on which qualifying natural habitats rely.

Site Improvement Plan³⁰: pressures, threats and related development

The main pressures and threats to this site include public access and disturbance in that the current visitor's centre complex that is located within the SAC, is preventing the necessary restoration of the full extent of the oak woodland. The visitor centre complex needs to be physically removed and the area restored, but planning permission is proving problematic [note that the visitor centre has now been relocated since the preparation of the SIP]. Other issues include change in land management which has created a large age gap between the ancient trees, physical modification, impact of atmospheric nitrogen deposition, disease and invasive species.

*Site status is an assessment by Natural England of the status of the SSSIs within the SAC

2. Hatfield Moor Special Area of Conservation

Site description

Hatfield Moors, which covers an area of 1363.55 hectares, is a remnant of an extensive lowland raised bog which once occupied the Humberhead levels. Hatfield is unique in having developed directly upon nutrient deficient gravels without an initial reed-swamp phase. Much of the bog has been cut for peat yet a restricted representative flora and

³⁰ Natural England - Site Improvement Plan: Birklands & Bilhaugh (SIP016)
<http://publications.naturalengland.org.uk/publication/6727956374224896?category=4526209115357184>

2. Hatfield Moor Special Area of Conservation	
<p>fauna persists within a mosaic of mire and dry heath habitats beneath birch scrub. The mire communities are dominated by cottongrasses <i>Eriophorum vaginatum</i> and <i>E. angustifolium</i>, cross-leaved heath <i>Erica tetralix</i> and bogmosses <i>Sphagnum</i> spp., but include locally rare species such as cranberry <i>Vaccinium oxycoccus</i>, bog myrtle <i>Myrica gale</i> and bog rosemary <i>Andromeda polifolia</i>.</p>	
Qualifying Features	
H7120	Degraded raised bogs still capable of natural regeneration
Site status*	<ul style="list-style-type: none"> • 92.23% in unfavourable (recovering) condition • 6.50% in unfavourable (no change) condition • 1.27% in favourable condition
Non-Qualifying Features	
<p>Little, if any, original bog surface has survived the massive extraction of peat over the last few decades. Peat-cutting has now ceased, and the bog is being restored over its remaining minimum average depth of 0.5 m of peat.</p> <p>The structure and function of the qualifying habitat, including its typical species, may rely upon the continued presence of areas which surround and are outside of the designated site boundary. Changes in surrounding land-use may adversely (directly/indirectly) affect the functioning of the feature and its component species.</p> <p>The protection and management of peripheral peat and the land immediately around the peat body will be of critical functional importance to the restoration of the H7120 feature to active bog and lag.</p> <p>Changes in source, depth, duration, frequency, magnitude and timing of water supply can have significant implications for the assemblage of characteristic plants and animals present. The surface of an active raised bog has low nutrient, waterlogged or high water table conditions. An abundance of the bog-mosses <i>Sphagnum papillosum</i>, <i>S. capillifolium</i>, <i>S. tenellum</i> and <i>S. magellanicum</i> will often indicate good surface conditions. Further detrimental changes to the hydrology of a degraded raised bog can lead to further desiccation, oxidation and a further loss of species and will undermine the aim to restore this feature to active raised bog.</p> <p>Changes to natural properties of the bog's peat body may affect the ecological structure, function and processes associated with this Annex I feature. Peat is naturally lacking in nutrients with typically low values of calcium, phosphate, nitrate and pH. This habitat type is considered sensitive to changes in air quality. Exceedance of these critical values for air pollutants may modify the chemical status of its substrate, accelerating or damaging plant growth, altering its vegetation structure and composition and causing the loss of sensitive typical species associated with it.</p> <p>This recognises the potential need at this site to maintain or restore the connectivity of the site to its wider landscape in order to meet the conservation objectives. These connections may take the form of landscape features, such as habitat patches, hedges, watercourses and verges, outside of the designated site boundary which are either important for the migration, dispersal and genetic exchange of those typical species closely associated with qualifying Annex I habitat features of the site.</p>	
Special Area of Conservation objectives	

2. Hatfield Moor Special Area of Conservation

Ensure that the integrity of the site is maintained or restored as appropriate, and ensure that the site contributes to achieving the Favourable Conservation Status of its Qualifying Features, by maintaining or restoring;

The extent and distribution of qualifying natural habitats

The structure and function (including typical species) of the qualifying natural habitat, and,

The supporting processes on which the qualifying natural habitat rely.

Site Improvement Plan³¹: pressures, threats and related development

The main pressures and threats to this site include drainage, inappropriate scrub control, impacts of atmospheric nitrogen deposition, public access/disturbance, peat extraction and invasive species. Additionally, planning permission is a problem in that wind farms have been erected or are planned in the wider area surrounding the SAC, yet investigation is needed to better understand the cumulative impact of existing and planned wind farm and other local developments on the nightjar population.

*Site status is an assessment by Natural England of the status of the SSSIs within the SAC

3. Thorne Moor Special Area of Conservation

Site description

Covering an approximate area of 1909.38 hectares, Thorne Moor is England's largest area of raised bog, lying a few kilometres from the smaller Hatfield Moors, both within the former floodplain of the rivers feeding the Humber estuary (Humberhead Levels), and includes the sub-components Goole Moors and Crowle Moors. Although management has increased the proportion of active raised bog at Thorne Moors, the inclusion of Goole Moors, where peat-extraction has now ceased, means that the site is still predominantly degraded raised bog. The restored secondary surface is rich in species of bogmosses *Sphagnum* spp., common and hare's-tail cottongrasses *Eriophorum angustifolium* and *E. vaginatum*, heather *Calluna vulgaris*, cross-leaved heath *Erica tetralix*, round-leaved sundew *Drosera rotundifolia*, cranberry *Vaccinium oxycoccos* and bog-rosemary *Andromeda polifolia*.

Qualifying Features

H7120	Degraded raised bogs still capable of natural regeneration
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Non-Qualifying Features

Recent management has increased the proportion of 7110 active raised bog at Thorne Moors, the inclusion of Goole Moors, where peat-extraction has now ceased, means that the site is still predominantly degraded raised bog.

The structure and function of the qualifying habitat, including its typical species, may rely upon the continued presence of areas which surround and are outside of the designated site boundary. Changes in surrounding land-use may adversely (directly/indirectly) affect the functioning of the feature and its component species.

The protection and management of peripheral peat and the land immediately around the peat body will be of critical functional importance to the restoration of the H7120 feature to active bog and lag.

Changes in source, depth, duration, frequency, magnitude and timing of water supply can have significant implications for the assemblage of characteristic plants and animals present. The surface of an active raised bog has low nutrient, waterlogged or high water table conditions. An abundance of the bog-mosses *Sphagnum papillosum*, *S. capillifolium*, *S. tenellum* and *S. magellanicum* will often indicate good surface conditions. Further detrimental changes to the

³¹ Natural England - Site Improvement Plan: Thorne and Hatfield Moors (SIP246)
<http://publications.naturalengland.org.uk/publication/6489780632158208?category=5171232873906176>

3. Thorne Moor Special Area of Conservation

hydrology of a degraded raised bog can lead to further desiccation, oxidation and a further loss of species and will undermine the aim to restore this feature to active raised bog.

Changes to natural properties of the bog's peat body may affect the ecological structure, function and processes associated with this Annex I feature. Peat is naturally lacking in nutrients with typically low values of calcium, phosphate, nitrate and pH. This habitat type is considered sensitive to changes in air quality. Exceedance of these critical values for air pollutants may modify the chemical status of its substrate, accelerating or damaging plant growth, altering its vegetation structure and composition and causing the loss of sensitive typical species associated with it.

This recognises the potential need at this site to maintain or restore the connectivity of the site to its wider landscape in order to meet the conservation objectives. These connections may take the form of landscape features, such as habitat patches, hedges, watercourses and verges, outside of the designated site boundary which are either important for the migration, dispersal and genetic exchange of those typical species closely associated with qualifying Annex I habitat features of the site.

Special Area of Conservation objectives

Ensure that the integrity of the site is maintained or restored as appropriate, and ensure that the site contributes to achieving the Favourable Conservation Status of its Qualifying Features, by maintaining or restoring;

The extent and distribution of qualifying natural habitats

The structure and function (including typical species) of qualifying natural habitats, and,

The supporting processes on which qualifying natural habitats rely.

Site Improvement Plan³²: pressures, threats and related development

The main pressures and threats to this site include drainage, inappropriate scrub control, impacts of atmospheric nitrogen deposition, public access/disturbance, peat extraction and invasive species. Additionally, planning permission is a problem in that wind farms have been erected or are planned in the wider area surrounding the SAC, yet investigation is needed to better understand the cumulative impact of existing and planned wind farm and other local developments on the nightjar population.

4. Thorne and Hatfield Moors Special Protection Area

Site description

Covering an approximate area of 2449.2 hectares, Thorne and Hatfield Moors SPA is an extensive lowland raised mire system adjacent to the Humber estuary on the north-east coast of England and is the largest remaining lowland peatland in England. Despite a long history of extensive peat extraction since the late nineteenth century, the site retains substantial areas of *Sphagnum* bog, which has been changed by succession to wet scrub woodland dominated by Birch *Betula* sp., sallows and Alder *Alnus glutinosa*. Where the peat surface has been removed, subsequent restoration of active bog has depended upon shallow flooding to allow *Sphagnum* and other bog plants to re-colonise. The mire communities are dominated by Hare's-tail *Eriophorum vaginatum* and Common Cottongrass *E. augustifolium*, Cross-leaved Heath *Erica tetralix*, Soft-rush *Juncus effuses* and *Sphagnum* mosses, and include a variety of scarcer bog plants such as Bog-rosemary *Andromeda polifolia* and Cranberry *Vaccinium oxycoccos*. Drier health is dominated by Heather *Calluna vulgaris*, Bracken *Pteridium aquilinum* and Purple Moor-grass *Molinia*

³² Natural England - Site Improvement Plan: Thorne and Hatfield Moors (SIP246)
<http://publications.naturalengland.org.uk/publication/6489780632158208?category=5171232873906176>

4. Thorne and Hatfield Moors Special Protection Area	
<p><i>caerulea</i>. Birch <i>Betula</i> sp. scrub, some of it dense, occurs throughout both moors. The diverse mosaic of habitats contribute greatly to the ornithological interest, which comprises breeding species, notably <i>Caprimulgus europaeus</i>.</p>	
Qualifying Features	
A224	<i>Caprimulgus europaeus</i> ; European nightjar (Breeding)
Site status*	<p>Hatfield Moor:</p> <ul style="list-style-type: none"> • 92.23% in unfavourable (recovering) condition • 6.50% in unfavourable (no change) condition • 1.27% in favourable condition
Non-Qualifying Features	
<p>The qualifying feature require low levels of disturbance, in particular as a result of human activities. Frequent, intense or lengthy disturbance can affect the qualifying feature's feeding or roosting behaviour, reduce the availability of suitable habitat for this species, and their nesting, breeding and rearing success rate.</p> <p>The qualifying feature relies on the presence of supporting habitats such as dry heathland and successional woodland habitats, and of ecological connectivity between these habitats. Therefore, it is essential that the management of the SPA ensures that there is sufficient suitable habitat present with functional connectivity between these habitats, for which the qualifying features rely on. This entails retaining the open, mosaic structure of the heathland (of which all life cycles of heather are present) and allowing areas of scrub and scattered trees to establish.</p> <p>The qualifying feature relies on habitat which may be sensitive to changes in air quality, as exceeding levels of air pollutants could impact the chemical status of its habitat structure, and in turn affect the quality of suitable available habitat for the qualifying species.</p> <p>The qualifying feature relies on the abundance of prey within the SPA, and therefore it is important to maintain the distribution, abundance of, and availability of key prey items such as moths, which are preferred by the qualifying species.</p> <p>The supporting habitat of which the qualifying features relies on, are maintained by surface water of a certain quantity and quality. Whereas the qualifying feature is not reliant on water quantity/quality, the SAC lowland raised bog requires water to maintain its structure and status, but this has to consider the risks of high water levels on the associated dry habitat of which the qualifying feature relies on for breeding, foraging and commuting. Therefore, on-going management of water levels and quality within the site is required.</p> <p>The qualifying features breeding success and survival rates are dependent on minimal disturbance caused by predation. Where required, predator management can be enforced through physical exclusion, scaring tactics, or by direct control. Predation has not been identified as a significant factor in the qualifying feature's populations.</p> <p>The supporting habitat of the qualifying feature is susceptible to environmental changes which could affect the extent and distribution of the habitat (such as through precipitation and temperature). The habitat within the site has been assessed by Natural England as moderate in its vulnerability to climate change, therefore appropriate monitoring will be required, and where necessary, appropriate mitigation measures can be taken to ensure this habitat adapts and/or is resilient to environmental changes. This could entail creating more habitat to buffer the site, expand the habitat into more varied landscapes, or reducing habitat fragmentation. This ensures that the supporting habitat will maintain its ability to provide suitable habitat for the qualifying feature.</p>	
Special Protection Area objectives	

4. Thorne and Hatfield Moors Special Protection Area

Ensure that the integrity of the site is maintained or restored as appropriate, and ensure that the site contributes to achieving the aims of the Wild Birds Directive, by maintaining or restoring:

- The extent and distribution of the habitats of the qualifying features
- The structure and function of the habitats of the qualifying features
- The supporting processes on which the habitats of the qualifying features rely
- The population of each of the qualifying features, and,
- The distribution of the qualifying features within the site.

Site Improvement Plan³³: pressures, threats and related development

The main pressures and threats to this site include drainage, inappropriate scrub control, impacts of atmospheric nitrogen deposition, public access/disturbance, peat extraction and invasive species. Additionally, planning permission is a problem in that wind farms have been erected or are planned in the wider area surrounding the SAC, yet investigation is needed to better understand the cumulative impact of existing and planned wind farm and other local developments on the nightjar population.

*Site status is an assessment by Natural England of the status of the SSSIs within the SAC

5. Sherwood Forest prospective potential Special Protection Area

Site description

As the Sherwood Forest prospective potential SPA (ppSPA) is not currently designated as a European Site, there is no Standard Data form or SIP for it. However, the Sherwood Forest Important Bird Area is being used as a proxy for the purposes of this assessment, and the indicative core areas for breeding for nightjar and woodlark as identified by Natural England, are likely to be the most sensitive areas.

The Sherwood Forest IBA covers 7,320 ha and consists of several geographic sites stretching from south of Worksop to north of Nottingham. Once part of the 10,000 acre Royal Forest of Sherwood, the woodland is dominated by native oaks and other native trees such as silver birch, rowan, holly and hawthorn. It has been continuously forested since the end of the Ice Age.³⁴

Approximately 424.75ha of the Sherwood Forest ppSPA is also a designated National Nature Reserve (NNR). The reserve contains more than a thousand ancient oaks most of which are known to be more than 500 years old. Sherwood Forest has the highest concentration of ancient trees in Europe and provides habitat for very rare invertebrates, particularly beetles, flies and spiders, many of which rely on the decaying and ageing timber of the veteran trees. Budby South Sores, in the northern half of the site, is dominated by ling heather and supports a diverse range of insects and ground nesting birds such as woodlark, nightjar and tree pipit.

In 2004, it was estimated that there were approximately 63 male European Nightjar (females unknown) within in the IBA and approximately 25 breeding pairs of Woodlark.

Qualifying Features

The primary reasons for potential designation of this site are that the population of *Caprimulgus europaeus*; European nightjar represents 1.88% of the total UK breeding population and the population of *Lullula arborea*; Woodlark, is 2.51% of the total UK breeding population.

³³ Natural England - Site Improvement Plan: Aston Rowant (SIP007)
<http://publications.naturalengland.org.uk/publication/4960794580090880?category=6149691318206464>
³⁴ BirdLife International (2018) Important Bird Areas factsheet: Sherwood Forest. Downloaded from <http://www.birdlife.org> on 05/10/2018.

5. Sherwood Forest prospective potential Special Protection Area	
Site status*	<ul style="list-style-type: none"> The condition of the site was not assessed in the most recent IBA monitoring assessment. However, the IBA factsheet³⁵ states that the mixed woodland habitat is in 'very unfavourable' condition, but the conditions of the nightjar and woodlark populations are 'favourable'.
Non-Qualifying Features	
<p>The qualifying features require low levels of disturbance, in particular as a result of human activities. Frequent, intense or lengthy disturbance can affect the qualifying features' feeding or roosting behaviour, reduce the availability of suitable habitat for this species, and their nesting, breeding and rearing success rate.</p> <p>The qualifying features rely on the presence of supporting habitats such as dry heathland and successional woodland habitats, and of ecological connectivity between these habitats. Therefore, it is essential that the management of the ppSPA ensures that there is sufficient suitable habitat present with functional connectivity between these habitats, for which the qualifying features rely on. This entails retaining the open, mosaic structure of the heathland (of which all life cycles of heather are present) and allowing areas of scrub and scattered trees to establish.</p> <p>The qualifying features rely on habitat which may be sensitive to changes in air quality, as exceeding levels of air pollutants could impact the chemical status of its habitat structure, and in turn affect the quality of suitable available habitat for the qualifying species.</p> <p>The qualifying features rely on the abundance of prey within the ppSPA, and therefore it is important to maintain the distribution, abundance of, and availability of key prey items such as invertebrates, which are preferred by the qualifying species.</p> <p>The qualifying features' breeding success and survival rates are dependent on minimal disturbance caused by predation. Where required, predator management can be enforced through physical exclusion, scaring tactics, or by direct control. Predation has not been identified as a significant factor in the qualifying features' populations.</p> <p>The supporting habitat of the qualifying features is susceptible to environmental changes which could affect the extent and distribution of the habitat (such as through precipitation and temperature). The habitat within the site has been assessed by Natural England as moderate in its vulnerability to climate change, therefore appropriate monitoring will be required, and where necessary, appropriate mitigation measures can be taken to ensure this habitat adapts and/or is resilient to environmental changes. This could entail creating more habitat to buffer the site, expand the habitat into more varied landscapes, or reducing habitat fragmentation. This ensures that the supporting habitat will maintain its ability to provide suitable habitat for the qualifying features.</p>	
Prospective potential Special Protection Area objectives	
<p>As this area does not relate to an existing designated site, no conservation objectives have been established for it. However, it is anticipated that, were the site to be designated, any conservation objectives would reflect those for other SPAs, as follows:</p> <p>Ensure that the integrity of the site is maintained or restored as appropriate, and ensure that the site contributes to achieving the aims of the Wild Birds Directive, by maintaining or restoring:</p> <ul style="list-style-type: none"> ■ The extent and distribution of the habitats of the qualifying features ■ The structure and function of the habitats of the qualifying features ■ The supporting processes on which the habitats of the qualifying features rely ■ The population of each of the qualifying features, and, ■ The distribution of the qualifying features within the site. 	

³⁵ BirdLife International (2018) Important Bird Areas factsheet: Sherwood Forest. Downloaded from <http://www.birdlife.org> on 05/10/2018.

Appendix A

European sites within 15km of Bassetlaw District

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5. Sherwood Forest prospective potential Special Protection Area

*Site status is an assessment by Natural England of the status of the SSSIs within the SAC

IBA Factsheet^{Error! Bookmark not defined.}: pressures, threats and related development

The main current threats to the site include logging and wood harvesting, climate change, changes in land use for energy production, housing and economic development, tourism and recreation and air pollution. War, civil unrest and military exercises are identified as a past threat, which is unlikely to return.

These threats have been rated low to very high, depending on the proportion of the area and/or population they are likely to affect and the severity of the threat. Recreational activities are identified as being the highest level of threat, followed by logging and wood harvesting and residential and commercial development. The IBA factsheet also identifies 'other threat' as being a high threat, but no details are given.

Appendix B

Screening matrix

B.1 The screening matrix below shows which types of impacts on European sites could potentially result from each of the policies and sites allocated in the Local Plan. Where a site is not expected to have a particular type of impact, the relevant cell is shaded green. Where a site could potentially have a certain type of impact, this is shown in orange. The final column sets out the screening conclusions.

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Screening matrix

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
Vison and Objectives	None – the overall vision and objectives of the Bassetlaw Plan describes the overarching strategy which sets the tone for policies It will not itself result in new development.	n/a	n/a	n/a	n/a	No
Spatial Strategy						
ST1 – Bassetlaw's Spatial Strategy (at least 10,013 dwellings and 286 hectares of economic development)	Residential development Economic development Increase in vehicle traffic Increase in recreation pressure	Air pollution Disturbance from recreation	Birklands and Bilhaugh SAC	Uncertain: recreation The screening of this policy considers the overall number of new homes and economic development in the District. The effect of those homes and economic development in specific locations is assessed in relation to specific policies below. The Sherwood Forest Visitor Centre is within 150m of Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.	Sherwood Forest ppSPA	Uncertain: air pollution and recreation The screening of this policy considers the overall number of new homes and economic development in the District. The effect of those homes and economic development in specific locations is assessed in relation to specific policies below, namely those that would result in additional development in the District. This policy will result in 10,013 new homes and 286 hectares of economic development in the District overall. The provision of new homes and economic development in the District is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the district. This policy could

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Screening matrix

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						<p>have an air pollution effect, therefore this should be considered further at the Appropriate Assessment stage.</p> <p>Development within the district has the potential to increase visitor numbers at the site and cause disturbance from recreation.</p> <p>Appropriate Assessment is required to consider the impacts further.</p>
<p>ST2 - Rural Bassetlaw (at least 1,400 homes across five Large Rural Settlements and 1,500 homes across 34 Small Rural Settlements)</p>	<p>Residential development</p> <p>Economic development</p> <p>Increase in vehicle traffic</p> <p>Increase in recreation pressure</p>	<p>Air pollution</p> <p>Disturbance from recreation</p>	<p>Birklands and Bilhaugh SAC</p>	<p>Uncertain: recreation</p> <p>The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.</p>	<p>Sherwood Forest ppSPA</p>	<p>Uncertain: air pollution and recreation</p> <p>Given the small number of houses dispersed amongst various rural settlements it is considered unlikely this policy would impact upon Sherwood Forest ppSPA as a result of increased population and recreation alone. However, overall growth in the district and surrounding areas could lead to significant in-combination effects on recreation.</p> <p>This policy alone would not be expected to cause a significant increase in traffic in the District and therefore air pollution. However the overall provision of new homes and associated</p>

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Screening matrix

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						economic development in the District is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in combination with other policies, namely those that would result in additional development in the District. Therefore, this should be considered further at the Appropriate Assessment stage.
ST3 - Bassetlaw Garden Village (500 new dwellings within the plan period (overall capacity of around 4,000 homes) and 15ha employment and commercial land within the plan period (overall capacity of 20ha))	Residential development Economic development Infrastructure development (new public transport facility) Increase in vehicle traffic Increase in recreation pressure	Air pollution Physical loss and damage of off-site habitat (foraging only) Disturbance from recreation Non-physical disturbance Cat predation	Birklands and Bilhaugh SAC	Uncertain: recreation Bassetlaw Garden Village is located around 10.5km from the Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.	Sherwood Forest ppSPA	Uncertain: recreation, air pollution, physical loss and damage, non-physical disturbance and cat predation This policy makes provision for c.500 new dwellings and 15 hectares of employment land within the plan period, as part of a 4,000 home new village. The site lies 240m from Sherwood Forest ppSPA. The ST3 - Bassetlaw Garden Village allocation site supports suitable winter foraging habitat for both qualifying species in large arable fields and pasture. Additionally, some small areas of established woodland and some small

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Screening matrix

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						<p>areas of scrub are dispersed amongst the allocation site, and this provides suitable breeding habitat for both nightjar and woodlark.</p> <p>Development at this location could result in an increase of cat ownership in the area. Where suitable off-site habitat is retained within the site, effects arising from cat predation upon nightjar and woodlark could result upon the ppSPA and its qualifying features. There may be the need to consider alternative sites and/or mitigation, which would need to be informed by surveys.</p> <p>The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other</p>

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Screening matrix

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						policies namely those that would result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.
ST4 – Bassetlaw Garden Village Design Framework	This policy will not directly result in development, rather it guides design of development allocated through Policy ST3. However, part F4 encourages new and improved pedestrian and cycle links to Clumber Park, which could increase visits to the ppSPA.	Disturbance from recreation	N/A	N/A	Sherwood Forest ppSPA	Uncertain: recreation Whilst this policy does not propose any development itself, it encourages new and improved pedestrian and cycle links to Clumber Park, which could increase visits to the ppSPA.
ST5 – Bassetlaw Garden Village Delivery and Legacy Management	This policy will not directly result in development, rather it guides the phasing and stewardship of development allocated through Policy ST3.	N/A	N/A	N/A	N/A	N/A
ST6 - Worksop Central (At least 660 new dwellings)	Residential development and associated infrastructure Economic development Increase in vehicle traffic Increase in recreation pressure	Air pollution Disturbance from recreation	Birklands and Bilhaugh SAC	Uncertain: Recreation Central Worksop is located around 13.5km from Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at	Sherwood Forest ppSPA	Uncertain: air pollution and recreation The screening of this policy considers the provision for at least 660 new dwellings, associated infrastructure and commercial development. Central Worksop is located approximately 2km away from the ppSPA at the nearest point. Whilst details will be set out in a DPD to follow the Local Plan, this

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
				the Appropriate Assessment stage.		<p>policy sets the framework for such development.</p> <p>The provision of new homes and economic development is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. Worksop is the main town for the District and therefore it is likely many residents and workers will travel to and from the town. This in-combination with other policies, namely those that would result in additional development in the District.</p> <p>The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>Therefore this should be considered further at the Appropriate Assessment stage.</p>
ST7 - Cottam Priority Regeneration Area (348ha)	Residential development Economic development Increase in vehicle traffic	Air pollution Disturbance from recreation Degradation of water quality	Humber Estuary SAC, SPA and Ramsar Birklands and Bilhaugh SAC	Uncertain: water quality and recreation This site lies adjacent to the River Trent,	Sherwood Forest ppSPA	Uncertain: air pollution, Physical loss and damage and recreation

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
	Increase in recreation pressure	Physical loss and damage of off-site habitat		<p>which flows into the Humber Estuary. It is not anticipated that development at this site would result in likely significant effects on the Humber Estuary sites in itself, but significant effects could arise in-combination with development in surrounding local authority areas.</p> <p>This site is located over 21km from Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.</p>		<p>This policy safeguards the former Cottam Power Station site and sets out development that would be acceptable. In order to be precautionary, the screening of this policy considers the provision for up to 14 hectares of employment land and up to 1,600 new dwellings. The site is located approximately 15km away from the ppSPA, and comprises a former power station including buildings, hardstanding and amenity grassland.</p> <p>The provision of new homes and economic development is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. The nearest direct strategic road is approximately 2.5km away, however given the sites close proximity to Retford and Worksop, it is likely that residents and commuters will travel to and from these destinations. This in-combination with other policies, namely those that would result in additional development in the District.</p>

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Screening matrix

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						<p>The site includes areas of wetland, arable, grassland and scrub, which could be suitable for breeding and foraging habitat for woodlark and nightjar.</p> <p>The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>Therefore this should be considered further at the Appropriate Assessment stage.</p>
Delivering Economic Prosperity						
<p>ST8 - Employment Land</p> <p>Bassetlaw Garden Village (15ha)</p> <p>Apleyhead Junction, Worksop (118.7ha)</p> <p>High Marnham Green Energy Hub (60ha)</p>	<p>Economic development</p> <p>Increase in vehicle traffic</p>	<p>Air pollution</p> <p>Physical loss and damage of off-site habitat</p> <p>Degradation of water quality</p>	<p>Humber Estuary SAC, SPA and Ramsar site</p>	<p>Uncertain: water quality</p> <p>The screening of this policy considers the provision of employment development land at three locations, these have all been assessed separately in their own policies (ST3: Bassetlaw Garden Village, 9: Site EM006 – High Marnham Energy Hub,</p>	<p>Sherwood Forest ppSPA</p>	<p>Uncertain: air pollution, non-physical disturbance and loss / damage to off-site habitat</p> <p>The screening of this policy considers the provision of employment development land at three locations, these have all been assessed separately in their own policies: (ST3: Bassetlaw Garden Village, 9: Site EM008 – High Marnham Green Energy Hub, 10: Site</p>

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
				10: Site SEM01 – Apleyhead Junction).		SEM01 – Apleyhead Junction). This policy is likely to lead to an overall increase in vehicular traffic as a result of commuters travelling to these sites. Therefore, this policy could have an air pollution effect in-combination with other policies, namely those that would result in additional development in the District. Therefore this needs to be considered further at the Appropriate Assessment stage.
ST9: Site EM008 - High Marnham Green Energy Hub (38.4ha within the plan period (60ha beyond 2037) for energy generation and low carbon employment)	Economic development Increase in vehicle traffic	Air pollution Degradation of water quality	Humber Estuary SAC, SPA and Ramsar site	Uncertain: water quality This site lies alongside the River Trent, which flows into the Humber Estuary. It is not anticipated that this site would result in likely significant effects on the Humber Estuary sites in itself, but significant effects could arise in-combination with development in surrounding local authority areas.	Sherwood Forest ppSPA	Uncertain: air pollution The screening of this policy considers the provision for up to 60 hectares for energy generation and low carbon employment. The site is located approximately 15km away from the ppSPA, and comprises a former power station including buildings, hardstanding and amenity grassland. Whilst the provision of energy generation and low carbon employment development is intended to reduce carbon emissions from energy generation, the redevelopment of this site is likely to result in an increase

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						in traffic flows on roads throughout the District. The nearest direct strategic road is approximately 2.5km away, however given the site's close proximity to Retford and Worksop, it is likely that residents and commuters will travel to and from these destinations. This in-combination with other policies, namely those that would result in additional development in the District. Therefore, this should be considered further at the Appropriate Assessment stage.
10: Site SEM01 – Apleyhead Junction, Worksop , (118.7ha of employment land)	Economic development Increase in vehicle traffic	Air pollution Physical loss and damage of off-site habitat Non-physical disturbance	n/a	n/a	Sherwood Forest ppSPA	Uncertain: air pollution, physical loss or damage to off-site habitat, non-physical disturbance This site is situated approximately 250m from the ppSPA, the opposite side of the A57. The site comprises established woodland in the south and arable fields north of the woodland. These habitats provide optimal foraging and breeding habitat for nightjar and woodlark, and therefore likely significant effects upon ppSPA bird populations as a result of loss of off-site habitat needs to be

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						<p>considered at Appropriate Assessment.</p> <p>The site is adjacent to the A57 and close to the A1 which connect the site directly to Worksop, Retford and the wider District. Given the close proximity of the site to the ppSPA and the size of the proposed development, there is potential for likely significant effects in relation to air pollution and non-physical disturbance (noise, vibration and light), particularly in-combination with policies that would result in additional development in the District. Therefore, these factors as well as loss of off-site habitat will need to be considered further within the Appropriate Assessment stage.</p>
ST11 - Existing Employment Sites (29 existing sites)	Economic development Increase in vehicle traffic	Air pollution	n/a	n/a	Sherwood Forest ppSPA	<p>Uncertain: air pollution</p> <p>The screening of this policy considers the proposals for the potential re-development of 29 existing employment sites. It is possible that the re-use of these sites will result in an increase in vehicular traffic, and therefore result in increased air pollution. As this will be undertaken across the</p>

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						District, there is a likelihood that this will result in increases of traffic across the District, and therefore needs to be taken to Appropriate Assessment to consider the in-combination effects with policies that would result in additional development in the District.
ST12 - Rural Economic Growth and Economic Growth Outside Employment Areas	Economic development Increase in vehicle traffic	Air pollution	n/a	n/a	Sherwood Forest ppSPA	Uncertain: air pollution The screening of this policy considers the general support for proportionate rural economic development in existing locations. An increase of employment in some areas could lead to an increase in people travelling to those areas, and in traffic flows on roads in rural locations. This policy could have an air pollution effect in-combination with policies that would result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.
ST13 - Visitor Economy	Increase in vehicle traffic Increase in recreation pressure	Air pollution Disturbance from recreation	Birklands and Bilhaugh SAC	Uncertain: recreation The screening of this policy considers the overall increase in visitors within the	Sherwood Forest ppSPA	Uncertain: air pollution and recreation The screening of this policy considers the overall increase in visitors within the

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
				<p>District as result of promoting visitors to the District.</p> <p>The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district – whilst no site allocations are within 7km of the SAC, the visitor centre is expected to draw visitors from further afield. Therefore, this should be considered further at the Appropriate Assessment stage.</p>		<p>District as result of promoting visitors to the District.</p> <p>The increase in visitor numbers is likely to lead to an increase in traffic, and therefore an increase in air pollution.</p> <p>The increase in visitor numbers is likely to result in an increase of recreational pressure within the District in general.</p> <p>This policy could have an air pollution effect and result in disturbance from recreational pressure, therefore this should be considered further at the Appropriate Assessment stage.</p>
ST14 – Town Centres, Local Centres, Local Shops and Services	None – this policy sets out the hierarchy town and local centres and seeks to support their vitality and viability. It will not directly result in development and the new local centres set out in the policy are considered via the relevant site allocation policies.	n/a	n/a	n/a	n/a	No
ST15 - Management of Town Centres	None – this policy sets out principles for development in town centres, including acceptable uses in primary shopping areas and the use of	n/a	n/a	n/a	n/a	No

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
	upper floors. It does not allocate any development.					
Living Communities						
ST16 - Housing Distribution	None – this policy refers to specific site allocations for housing, it will not itself lead to development. The allocations referenced in this policy have been subject to HRA screening separately below.	n/a	n/a	n/a	n/a	No
17: Site HS1 - Peaks Hill Farm, Worksop, Worksop (at least 1,000 new dwellings within plan period (with an additional 120 beyond 2037), at least 5ha employment land within the plan period (With an additional 6ha beyond 2037), 54ha)	Residential development Employment development Infrastructure development (new road) Increase in vehicle traffic Increase in recreation pressure	Disturbance from recreation Air pollution Physical loss and damage of off-site habitat	Birklands and Bilhaugh SAC	Uncertain: recreation This site is approximately 15km from Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.	Sherwood Forest ppSPA	Uncertain: recreation, air pollution and physical loss and damage This policy makes provision for c. 1,000 homes and 5ha employment land within the plan period, with further development beyond 2037. The site lies 3.7km from Sherwood Forest ppSPA. Peaks Hill Farm, Worksop supports suitable winter foraging habitat for woodlark in large arable fields. Additionally, several areas of established woodland are dispersed amongst the allocation site, and this provides suitable breeding habitat for both of these species. Whilst it is considered unlikely that these species would depend upon this habitat given ample

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Screening matrix

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						<p>suitable habitat in the surrounding landscape, and due to the sites location on the opposite side of Worksop town to the ppSPA, development as a result of this policy may result in physical loss or damage of off-site habitat.</p> <p>The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an effect in-combination with other policies, namely those that would result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.</p>
18: Site HS2 - Former Pupil Referral Centre, Worksop	Residential development Increase in vehicle traffic	Disturbance from recreation Air pollution	Birklands and Bilhaugh SAC	Uncertain: recreation The site lies approximately 12km	Sherwood Forest ppSPA	Uncertain: recreation and air pollution

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
(at least 23 new dwellings, 0.7ha)	Increase in recreation pressure			<p>from the Sherwood Forest Visitor Centre.</p> <p>The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.</p>		<p>This policy makes provision for c.23 new dwellings and lies 1km from Sherwood Forest ppSPA. It comprises amenity grassland and built habitats.</p> <p>The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an in-combination effect with other policies, namely those that may result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.</p>
19: Site HS3 – Radford Street (at least 120 new dwellings, 3.5ha)	Residential development Increase in vehicle traffic Increase in recreation pressure	Disturbance from recreation Air pollution Physical loss and damage of off-site habitat	Birklands and Bilhaugh SAC	Uncertain: recreation This site is approximately 11.5km from the Sherwood Forest Visitor Centre.	Sherwood Forest ppSPA	Uncertain: recreation, air pollution and physical loss and damage This policy makes provision for 120 new dwellings and lies 1.3km from Sherwood

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				The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.		<p>Forest ppSPA. The allocation site supports suitable foraging opportunities for nightjar in a field of rough grassland habitat.</p> <p>The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that would result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.</p>
20: Site HS4 - Former Manton Primary School, Worksop (at least 100 new dwellings and open space, 3.7ha)	Residential development Increase in vehicle traffic Increase in recreation pressure	Disturbance from recreation Air pollution	Birklands and Bilhaugh SAC	Uncertain: recreation This site is approximately 11.2km from the Sherwood Forest Visitor Centre.	Sherwood Forest ppSPA	Uncertain: recreation and air pollution This policy makes provision for c.100 new dwellings and lies 550m from Sherwood Forest ppSPA. The allocation

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
				The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.		<p>site comprises amenity grassland and built habitats. The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that would result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.</p>
21: Site HS5 - Talbot Road, Worksop (at least 15 new dwellings, 0.4ha)	Residential development Increase in vehicle traffic Increase in recreation pressure	Air pollution Physical loss and damage of off-site habitat Disturbance from recreation	Birklands and Bilhaugh SAC	Uncertain: recreation This site is approximately 12km from the Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and	Sherwood Forest ppSPA	Uncertain: recreation, air pollution and physical loss and damage This policy makes provision for c.15 new dwellings and lies 1.3km from Sherwood Forest ppSPA. The allocation site supports suitable winter foraging opportunities for

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
				<p>is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.</p>		<p>both qualifying species in a field of rough grassland habitat with hedgerows. Whilst it is considered unlikely that these species would depend upon this habitat given ample suitable foraging habitat in the surrounding landscape, the small size and urban setting within a housing estate in Worksop, it is uncertain if development at this site as a result of this policy may result in physical loss or damage of off-site habitat.</p> <p>The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that would result in additional development in the District.</p>

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						Therefore this should be considered further at the Appropriate Assessment stage.
22: Site HS6 - Former Knitwear Factory, Retford Road, Worksop (at least 54 new dwellings, 1.9ha)	Residential development Increase in vehicle traffic Increase in recreation pressure	Disturbance from recreation Air pollution Physical loss and damage of off-site habitat	Birklands and Bilhaugh SAC	Uncertain: recreation This site is approximately 12km from the Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.	Sherwood Forest ppSPA	Uncertain: recreation, air pollution and physical loss and damage This policy makes provision for c.54 new dwellings and lies 1.4km from Sherwood Forest ppSPA. The allocation site supports suitable winter foraging opportunities for both qualifying species in disturbed grassland, scrub and bare ground. Whilst it is considered unlikely that these species would depend upon this habitat given ample suitable foraging habitat in the surrounding landscape, and due to the sites location within the centre of Worksop town, it is uncertain if development at this site as a result of this policy may result in physical loss or damage of off-site habitat. The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						<p>increased recreation on the European site.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that allocate development in the District. Therefore this should be considered further at the Appropriate Assessment stage.</p>
<p>23: Site HS7 - Trinity Farm, Retford (at least 244 new dwellings, 10.7ha)</p>	<p>Residential development Economic development Increase in vehicle traffic Increase in recreation pressure</p>	<p>Disturbance from recreation Air pollution Physical loss and damage of off-site habitat (foraging only)</p>	<p>Birklands and Bilhaugh SAC</p>	<p>Uncertain: recreation This site is approximately 16.5km from the Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.</p>	<p>Sherwood Forest ppSPA</p>	<p>Uncertain: recreation, air pollution and physical loss and damage This policy makes provision for c.244 homes. The site lies 5.8km from Sherwood Forest ppSPA. 23: Site HS7 - Trinity Farm, Retford supports suitable winter foraging habitat for both qualifying species in arable fields adjacent to established woodland. Whilst it is considered unlikely that these species would depend upon this habitat given ample suitable habitat in the surrounding landscape, and given the distance from the</p>

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						<p>ppSPA, development at 23: Site HS7 - Trinity Farm, Retford as a result of this policy may result in physical loss or damage of off-site habitat.</p> <p>The increase in population at this location as a result of the housing development could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>The provision of new homes and employment facilities is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in combination with other policies, namely those that would result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.</p>
24: Site HS8 - Milnecroft, Retford (at least 5 new dwellings and community garden, 0.45 ha)	Residential development Increase in vehicle traffic	Air pollution Physical loss and damage of off-site habitat	Birklands and Bilhaugh SAC	Uncertain: recreation This site is around 17.3km from the	Sherwood Forest ppSPA	Uncertain: air pollution and recreation This policy makes provision for at least 5 new dwellings and lies approximately 6.6km

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	Increase in recreation pressure	Disturbance from recreation		<p>Sherwood Forest Visitor Centre.</p> <p>The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.</p>		<p>from Sherwood Forest ppSPA.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that would result in additional development in the District.</p> <p>The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. This is unlikely to be significant alone, due to the small scale of development, but could result in effects arising from increased recreation on the ppSPA in-combination with other development.</p> <p>Therefore this should be considered further at the Appropriate Assessment stage.</p>
25: Site HS9 – Former Elizabethan High School (at least 46 new dwellings, 1.3ha)	<p>Residential development</p> <p>Increase in vehicle traffic</p> <p>Increase in recreation pressure</p>	<p>Air pollution</p> <p>Physical loss and damage of off-site habitat</p> <p>Disturbance from recreation</p>	Birklands and Bilhaugh SAC	<p>Uncertain: recreation</p> <p>This site is around 16.3km from the</p>	Sherwood Forest ppSPA	<p>Uncertain: air pollution, physical loss and damage, and recreation</p> <p>This policy makes provision for c.46 new dwellings and</p>

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
				<p>Sherwood Forest Visitor Centre.</p> <p>The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.</p>		<p>lies around 6.3km from Sherwood Forest ppSPA.</p> <p>The allocation site supports suitable winter foraging opportunities for both qualifying species in disturbed grassland and bare ground. It is uncertain if development at this site as a result of this policy may result in physical loss or damage of off-site habitat.</p> <p>This policy allocates at least 46 dwellings, therefore it is possible that 50 dwellings or more could be delivered at this site. The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that</p>

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						would result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.
26: Site HS10 – St Michael's View, Retford (at least 20 dwellings, 0.4ha)	Residential development Increase in vehicle traffic Increase in recreation pressure	Air pollution Physical loss and damage of off-site habitat Disturbance from recreation	Birklands and Bilhaugh SAC	Uncertain: recreation This site is around 16.2km from the Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.	Sherwood Forest ppSPA	Uncertain: air pollution and recreation This policy makes provision for c.20 new dwellings and lies around 6.5km from Sherwood Forest ppSPA. The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that would result in additional development in the District. The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA. Therefore this should be considered further at the

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						Appropriate Assessment stage.
27: HS11 – Fairy Grove, Retford (at least 60 new dwellings, 2.7ha)	Residential development Increase in vehicle traffic Increase in recreation pressure	Air pollution Physical loss and damage of off-site habitat Disturbance from recreation	Birklands and Bilhaugh SAC	Uncertain: recreation This site is just over 15km from the Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.	Sherwood Forest ppSPA	Uncertain: recreation, air pollution and physical loss and damage This policy makes provision for c.60 new dwellings and lies 6km from Sherwood Forest ppSPA. The allocation site supports suitable winter foraging opportunities for woodlark, as part of the site is arable land. Whilst it is considered unlikely that this species would depend upon this habitat given ample suitable foraging habitat in the surrounding landscape, it is uncertain if development at this site as a result of this policy may result in physical loss or damage of off-site habitat. The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA. The provision of new homes is likely to relate to an increase in population and therefore result in an

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that would result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.
28: HS12 – Station Road, Retford (at least 5 dwellings, 0.1ha)	Residential development Increase in vehicle traffic Increase in recreation pressure	Air pollution Physical loss and damage of off-site habitat Disturbance from recreation	Birklands and Bilhaugh SAC	Uncertain: recreation This site is around 15km from the Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.	Sherwood Forest ppSPA	Uncertain: air pollution and recreation This policy makes provision for c.5 new dwellings and lies around 6.1km from Sherwood Forest ppSPA. The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that would result in additional development in the District. The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. This is unlikely to be significant

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						alone due to the small scale of development, but this policy could result in effects arising from increased recreation on the ppSPA in combination with other residential development. Therefore this should be considered further at the Appropriate Assessment stage.
29: HS13 – Ordsall South, Retford (at least 800 new dwellings and open space, site area unknown)	Residential development Increase in vehicle traffic Increase in recreation pressure	Air pollution Physical loss and damage of off-site habitat Disturbance from recreation	Birklands and Bilhaugh SAC	Uncertain: recreation This site is just over 12.8km from the Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.	Sherwood Forest ppSPA	Uncertain: air pollution, recreation and physical loss and damage This policy makes provision for 800 new dwellings and lies around 3.4km from Sherwood Forest ppSPA. The allocation site supports suitable winter foraging opportunities for woodlark, in arable habitat. Whilst it is considered unlikely that these species would depend upon this habitat given ample suitable foraging habitat in the surrounding landscape, it is uncertain if development at this site as a result of this policy may result in physical loss or damage of off-site habitat. The increase in population at this location as a result of this policy could potentially

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	Likely activities (operation) to result as a consequence of the policy	Likely effects if proposal implemented	European site(s) potentially affected	Could the proposal have likely significant effects on European sites?	Shadow HRA: ppSPA potentially affected?	Shadow HRA: Could the proposal have likely significant effects on the ppSPA?
						<p>contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that would result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.</p>
<p>30: NP04 - Ollerton Road, Tuxford (At least 90 new dwellings, 3.9ha)</p>	<p>Residential development Increase in vehicle traffic Increase in recreation pressure</p>	<p>Air pollution Physical loss and damage of off-site habitat Disturbance from recreation</p>	<p>Birklands and Bilhaugh SAC</p>	<p>Uncertain: recreation This site is just over 11.5km from the Sherwood Forest Visitor Centre. The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at</p>	<p>Sherwood Forest ppSPA</p>	<p>Uncertain: air pollution, recreation and physical loss and damage This policy makes provision for c.90 new dwellings and lies 6km from Sherwood Forest ppSPA. The allocation site supports suitable winter foraging opportunities for woodlark in arable habitat. Whilst it is considered unlikely that these species would depend upon this habitat given ample</p>

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				the Appropriate Assessment stage.		<p>suitable foraging habitat in the surrounding landscape, and distance from the ppSPA, it is uncertain if development at this site as a result of this policy may result in physical loss or damage of off-site habitat.</p> <p>The increase in population at this location as a result of this policy could potentially contribute to an increase in visitors to the ppSPA. Therefore this policy could result in effects arising from increased recreation on the ppSPA.</p> <p>The provision of new homes is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in-combination with other policies, namely those that would result in additional development in the District. Therefore this should be considered further at the Appropriate Assessment stage.</p>
ST31 - Affordable Housing	None – this policy sets out the need to provide affordable homes within the life of the	n/a	n/a	n/a	n/a	No

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	plan and how these should come forward. It will not itself result in new development.					
ST32 - Housing Mix, Type and Density	None – this policy sets out the requirement to consider an appropriate mix of housing for local people’s needs. It will not itself result in new development.	n/a	n/a	n/a	n/a	No
ST33 - Specialist Housing	None – this policy sets out the requirement to allow for specialist housing within the district. It will not itself result in new development.	n/a	n/a	n/a	n/a	No
ST34 - Sites for Gypsies and Travellers	Establishment of permanent Gypsy and Traveller pitches Increase in vehicle traffic Increase in recreation pressure	Air pollution Disturbance from recreation	Birklands and Bilhaugh SAC	Uncertain: recreation The closest Gypsy and Traveller site to the Sherwood Forest Visitor Centre is approximately 18.3km away (East Drayton). The Sherwood Forest Visitor Centre is within 150m of the Birklands and Bilhaugh SAC, and is likely to attract visitors from within the district. Therefore, this should be considered further at the Appropriate Assessment stage.	Sherwood Forest ppSPA	Uncertain: air pollution Given that this policy allows for a limited number of permanent pitches to meet needs, this policy alone would not be expected to cause a significant increase in traffic in the District and therefore air pollution. However the overall provision of new homes, including additional pitches, and associated economic development in the District is likely to relate to an increase in population and therefore result in an increase in traffic flows on roads throughout the District. This policy could have an air pollution effect in combination with other

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						policies, namely those that would result in additional development in the District. Therefore, this should be considered further at the Appropriate Assessment stage.
35 - Houses in Multiple Occupation	None – this policy sets out allowances for houses in multiple occupation in the district. It will not itself result in new development.	n/a	n/a	n/a	n/a	No
36 - Agricultural and Forestry Workers Dwellings	None – this policy supports the need for agricultural and forestry workers dwellings within the district. The policy does not allocate development. Any dwellings coming forward under this policy will be exceptional and are expected to be single dwellings and modest in scale, therefore unlikely to result in effects on a European site and any effects would be negligible.	n/a	n/a	n/a	n/a	No
Promoting Local Character and Distinctiveness						
ST37 - Design Quality	None – this policy sets principles for the design of new development, it will not result in new development.	n/a	n/a	n/a	n/a	No

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38 - Shopfronts, Signage and Security	None – this policy sets principles for the design of shop fronts and signage, it will not result in new development.	n/a	n/a	n/a	n/a	No
ST39 - Landscape Character	None – this policy sets out principles to protect the landscape and countryside from inappropriate development, it will not result in new development.	n/a	n/a	n/a	n/a	No
ST40 – Green Gaps	None – this policy establishes Green Gaps, to preserve the open and undeveloped character of these areas.	n/a	n/a	n/a	n/a	No
ST41 – Green and Blue Infrastructure	None – this policy requires new development to contribute to green and blue infrastructure; it is not expected to result in development or an increase traffic or visitor numbers.	n/a	n/a	n/a	n/a	No
ST42 - Biodiversity and Geodiversity	None – this policy requires new development to protect biodiversity and geodiversity, it will not itself result in development or an increase traffic or visitor numbers.	n/a	n/a	n/a	n/a	No
ST43 – Trees, Woodland and Hedgerows	None- this policy seeks to protect existing trees, woodlands and hedgerows.	n/a	n/a	n/a	n/a	No

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ST44 - The Historic Environment	None – this policy protects the Historic Environment, it will not result in new development.	n/a	n/a	n/a	n/a	No
45 - Heritage Assets	None – this policy supports development where it will enhance the Historic Environment, it will not result in new development.	n/a	n/a	n/a	n/a	No
Healthy Communities						
ST46 - Promoting Healthy, Active Lifestyles	None – this policy sets out how the council will enable an environment which supports healthy, active, inclusive and safe communities; it will not result in development.	n/a	n/a	n/a	n/a	No
ST47 - Protection and Enhancement of Community Facilities	None – this policy relates to the protection of Community Services and Facilities, it will not result in new development.	n/a	n/a	n/a	n/a	No
ST48 – Delivering Quality, Accessible Open Space	None – this policy requires new development to protect and make provision for open space for residents, it will not itself result in development or an increase traffic or visitor numbers.	n/a	n/a	n/a	n/a	No
ST49 – Promoting Sport and Recreation	None – this policy sets out the provision for new sports and leisure facilities across the	n/a	n/a	n/a	n/a	No

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	District, it will not result in development.					
50 – Protecting Amenity	None – this policy sets out protection measures and the need to consider private amenity for development proposals, it will not result in development.	n/a	n/a	n/a	n/a	No
51 - Contaminated and Unstable Land	None – this policy sets out the need to consider contaminated and unstable land within development site applications; it will not result in development.	n/a	n/a	n/a	n/a	No
Greening Bassetlaw						
ST52 – Reducing Carbon Emissions, Climate Change Mitigation and Adaptation	None – this policy relates to encouraging the design of development to account and mitigate for climate change in regard to water and energy efficiency, it will not result in new development.	n/a	n/a	n/a	n/a	No
ST53 - Renewable and Low Carbon Energy Generation	None – this policy supports schemes and development for renewable and low carbon energy, it will not directly result in new development.	n/a	n/a	n/a	n/a	No
ST54 - Flood Risk and Drainage	None - this policy requires development to consider flood risk and principles for the sustainable design of new development to minimise	n/a	n/a	n/a	n/a	No

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	flood risk, but will not result in new development.					
ST55 - Protecting Water Quality and Management	None – this policy requires development to protect and improve the river environment and water quality, ensuring adequate water infrastructure and sustainable water management; it will not result in new development.	n/a	n/a	n/a	n/a	No
Transport and Connectivity						
ST56 - Transport Infrastructure and Improvement Schemes (new road at 17: Site HS1 - Peaks Hill Farm, Worksop / A60, general improvements to roads and roundabouts and provision of bus corridors and other sustainable transport routes, including a bus interchange and rail station at Bassetlaw Garden Village)	None – this policy supports the need and provision for transport infrastructure to support future housing and economic growth. The policy primarily supports general improvements to road networks in certain locations and supports sustainable transport measures. A new road at 17: Site HS1 - Peaks Hill Farm, Worksop and new public transport facilities at ST3: - Bassetlaw Garden Village have been subject to HRA screening within the following policies: 17: Site HS1 - Peaks Hill Farm, Worksop, ST3: Bassetlaw Garden Village.	n/a	n/a	n/a	n/a	No
ST57 – Promoting Sustainable Transport and Active Travel	None – this policy sets out support and preference for	n/a	n/a	n/a	n/a	No

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	sustainable transport, it will not result in development.					
Infrastructure and Delivery						
ST58 - Safeguarded Land	None – this policy safeguards land to allow for infrastructure to support other developments which will be implemented through other policies, which have been subject to HRA screening separate below and will be re-assessed through a review of the Local Plan, which would need to be subject to further HRA.	n/a	n/a	n/a	n/a	No
ST59 – Digital Infrastructure	None – this policy sets out requirements to support digital connectivity. It will not result in development.	n/a	n/a	n/a	n/a	No
ST60 - Provision and Delivery of Infrastructure	None – this policy sets out how the provision and delivery of infrastructure will be managed to support development within the District, it will not result in development.	n/a	n/a	n/a	n/a	No

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Plans with the Potential for In-Combination Effects with Bassetlaw District

Local Plans and Strategies

North Lincolnshire Saved Policies Direction and List of Saved Policies (September 2007)

North Lincolnshire Core Strategy (Adopted June 2011)

North Lincolnshire Housing and Employment Land Allocations DPD (Adopted March 2016)

North Lincolnshire New Local Plan Stage 3: Preferred Options (2020)

North Lincolnshire lies to the north of Bassetlaw District.

North Lincolnshire Council is currently preparing a new Local Plan. The adopted local plan is focused on below, followed by the emerging local plan.

Housing Provision:

Core Strategy policy CS7: Overall Housing Provision states that between 2010 and 2026, North Lincolnshire's housing requirement is for 12,063 new dwellings to be provided (754 new dwellings per year). Of these new dwellings around 3,482 will be provided from sites that already have planning permission or are under construction. Dependent upon the location of a development site at least the following net density ranges should be achieved within a residential development site, or the residential element of a mixed use site:

- Scunthorpe town centre: 45-70 dwellings per hectare
- Within Scunthorpe and Market Towns development limits: 40-45 dwellings per hectare
- Within rural settlements and the countryside: 30-35 dwellings per hectare.

According to Core Strategy policy CS8: Spatial Distribution of Housing Sites:

- 82% of all new dwellings will be located in and adjacent to the urban area, equating 9,892 new dwellings. A total of 6,000 new dwellings will be provided within the Lincolnshire Lakes area during the plan period, with 1,250 being provided elsewhere within the urban area. Of these new dwellings 2,642 will be provided from sites that already have planning permission or are under construction.
- 18% of all new dwellings will be located within the Market Towns of Barton upon Humber, Brigg, Crowle, Kirton in Lindsey and Winterton, equating to 2,171 new dwellings.

Employment Land Provision:

Core Strategy policy CS11: Provision and Distribution of Employment Land states that an additional 40 hectares of employment land will be identified and allocated in the Housing and Employment Land Allocations DPD between 2006 and 2021. Strategic employment sites will be identified in the following broad locations:

- Scunthorpe – 71 hectares
- Market Towns – 10 hectares
- Humberside Airport – 20 hectares
- Sandtoft Business Park – 58.5 hectares

New Local Plan Stage 3: Preferred Options (2020):

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Bassetlaw Local Plan Habitats Regulations Assessment
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The new Local Plan plans for 7,961 new homes and 11,500 new jobs, including delivering 91.5ha employment land by 2036, as well as improving quality of life, enhancing the visitor economy and protecting and enhancing the built and natural environments. Large-scale residential development will be focused at Scunthorpe and Bottesford, with substantial growth through smaller sites at the principal towns of Barton upon Humber and Brigg. A smaller level of growth will be delivered at the large service centres, large rural settlements and smaller rural settlements.

HRA Findings:

The HRA Report that accompanies the Core Strategy is the 2010 Habitats Regulations Appropriate Assessment (Stage 2) report. It concludes that, taking account of the effects of the implementation of appropriate mitigation measures, the Core Strategy either alone or in combination with other plans, is unlikely to lead to adverse effects on the integrity of the Humber Estuary SAC, SPA or Ramsar site or the Thorne Moor SAC, the Hatfield Moor SAC or the Thorne and Hatfield Moors SPA.

The HRA Report that accompanies the Housing and Employment Land Allocations DPD is the December 2014 Habitats Regulations Assessment. This document identified potential for likely significant effects, therefore Appropriate Assessment was undertaken (presented in the same document). The HRA concluded that, when taking mitigation measures into account, the DPD would not have an adverse effect on any European site either alone or in-combination with other plans or projects.

The HRA Report that accompanies the Preferred Options stage of the emerging Local Plan is the 2020 Shadow Habitats Regulations Assessment. The Screening Assessment determined that the Preferred Options and site allocations currently detailed in the North Lincolnshire Local Plan could potentially have significant effects, both alone and in-combination with other plans and projects, on a number of European sites, therefore appropriate assessment was required. However, the appropriate assessment concluded that the existing policies and provisions in the of the North Lincolnshire Local Plan Preferred Options and Site Allocations, in relation to recreational pressures, urbanisation, atmospheric pollution, water pollution/siltation and flood and water management will ensure that the Local Plan will have no adverse effects on the integrity of any European sites.

Central Lincolnshire Local Plan (Adopted April 2017)

Central Lincolnshire Local Plan: Issues and Options (2019)

The Central Lincolnshire Local Plan covers the combined areas of the City of Lincoln, North Kesteven and West Lindsey. West Lindsey is located to the north east of Bassetlaw District.

The Central Lincolnshire Local Plan will replace the West Lindsey Local Plan (First Review). A draft of the revised plan is intended to be published for public consultation in 2020.

Housing and Employment Land Provision:

Policy LP3: Level and Distribution of Growth states that the Local Plan's strategic aim is to facilitate the delivery of 36,960 new dwellings and the creation of 11,894 FTE net new jobs over the plan period 2012-2036, distributed as follows:

- Lincoln Strategy Area – around 64% (23,654) of the total homes and employment land needed.
- Gainsborough – around 12% (4,435) of the total homes and employment land needed.
- Sleaford – around 12% (4,435) of the total homes and employment land needed.
- Elsewhere – around 12% (4,435) of the total homes and employment land needed.

Central Lincolnshire Local Plan: Issues & Options (2019):

The new Local Plan is at a very early stage in its development, therefore the contents of the plan are currently unknown. As such, it has not been considered here in terms of in-combination effects. However, the progress of the new Local Plan will be monitored and consideration of in-combination effects updated as necessary in future iterations of the HRA.

HRA Findings:

The HRA Report accompanying the Proposed Submission Local Plan is the 2016 Habitats Regulations Screening Assessment Methodology and Screening Report. It concludes that the Central Lincolnshire Local Plan policies, in

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combination with other Local Plan policies and other relevant plans, policies and projects, would not have likely significant effects on European sites either alone or in combination with other plans.

Newark & Sherwood Allocations & Development Management DPD (Adopted July 2013)

Newark & Sherwood Plan Review – Amended Core Strategy (Adopted March 2019)

Newark & Sherwood is located to the south of Bassetlaw District.

In adopting the Allocations & Development Management DPD the Council has committed to an early review of the already adopted DPDs. An Issues Paper was published for the amended Allocations and Development Management DPD in July 2019. However, as a result of the measures introduced to tackle Covid-19 the work on the review of the Allocations and Development Management DPD has been unable to progress and the local development scheme is currently being updated.

Housing Provision:

Amended Core Strategy Spatial Policy 2: Spatial Distribution of Growth states that the housing requirements for Newark & Sherwood District between 2013 and 2033 are 9,080 dwellings. When discounting dwelling completions and commitments in settlements which are not central to the delivery of the Spatial Strategy, the total number of dwellings to be allocated by the District Council between 2013 and 2033 in the Sub-Regional Centre, Service Centres and Principal Villages is in the region of 8,806 dwellings. In allocating sites for housing development, the following percentages will be met:

- Sub-Regional Centre – 60% of overall growth
- Service Centres – 30% of overall growth
- Principal Villages – 10% of overall growth

Employment Land Provision:

According to Spatial Policy 2, the employment land requirement for Newark & Sherwood District between 2013 and 2033 is a minimum of 83.1 hectares. This figure is distributed amongst the five Areas of the District (Newark Area, Southwell Area, Nottingham Fringe Area, Sherwood Area and Mansfield Fringe Area).

HRA Findings:

The HRA Report of the Plan Amended Core Strategy (PACS) concludes that the likelihood of in-combination effects with the PACS is negligible, therefore no in-combination effects have been identified. The HRA Report recommends working closely with neighbouring authorities surrounding Sherwood Forest to improve the understanding of potential visitor pressures at Sherwood Forest ppSPA and Birklands & Bilhaugh SAC.

Mansfield District Local Plan – Publication Draft (September 2018)

Schedule of Main Modifications (October 2019)

Mansfield is located to the south of Bassetlaw District.

The Council recently published the Mansfield District Local Plan – Publication Draft for six weeks public consultation ahead of its submission to the Secretary of State for an Examination in Public.

Housing Provision:

Policy S2: The spatial strategy states that at least 6,500 new homes will be provided between 2013 and 2033. This will be distributed as follows:

- Mansfield urban area – 90% or at least 5,850 new homes; and
- Warsop Parish – 10% or at least 650 new homes.

Employment Land Provision:

Policy S2: The spatial strategy states that existing employment areas will be safeguarded, and 41ha of employment land for development will be identified between 2013 and 2033.

HRA Findings:

The HRA Report accompanying the Local Plan Publication Draft concludes that no likely significant effects on the SAC will arise from the Mansfield Local Plan either alone or in combination with other plans and projects. Furthermore, no adverse effects will arise from the Mansfield Local Plan in relation to Sherwood ppSPA, either alone or in combination with other plans or projects. Additionally, the HRA of the submitted Local Plan Main Modifications determined that no likely significant effects will arise alone nor in combination with other projects.

Local Plan for Bolsover District (adopted on 4th March 2020)

Proposed Main Modifications to the Local Plan for Bolsover District (Publication Local Plan June 2019)

Bolsover is located south west of Bassetlaw District.

Housing Provision:

Policy SS2: Scale of Development states that the Local Plan will accommodate new growth and investment in Bolsover District by making provision for:

- Sufficient land to accommodate the delivery (proposed modification: 'a minimum') of 5,168 dwellings (272 new homes per year) to meet the Council's Housing Objectively Assessed Need across the period 2014 to 2033.
- An additional housing land supply buffer of 10% for site flexibility applied across the period 2014 to 2033 (up to a planned scale of housing provision of 5,700 dwellings).

Employment Land Provision:

Core Strategy Policy SS2: Scale of Development states that the Local Plan will accommodate growth and investment in Bolsover District by making provision for:

- Sufficient land to accommodate 92 hectares of employment land across the period 2015 to 2033.

HRA Findings:

The Publication Draft HRA concludes that most aspects of the plan will have no adverse effects on the integrity of any European sites, alone or in combination with other plans or projects. Where residual effect pathways remain, appropriate policy-based mitigation measures have been incorporated into the plan policies to ensure that proposals coming forward under the Local Plan either avoid affecting European sites entirely (no significant effect) or will have no adverse effects on site integrity.

Rotherham Core Strategy (Adopted September 2014)

Rotherham Sites and Policies (Adopted June 2018)

Rotherham is located north east of Bassetlaw District.

The Sites and Policies document identifies development sites to meet targets set out in the adopted Core Strategy 2013-2028.

Housing Provision:

Land is allocated in the Sites and Policies document to meet Rotherham's housing requirement of 850 net additional dwellings per annum or 12,750 for the period 2013 to 2028, plus any shortfall in the delivery against that annual target from April 2008 to March 2013 (estimated to be 1,621 dwellings). According to Policy CS 1: Delivering Rotherham's Spatial Strategy, most new development will take place within Rotherham's urban area and at Principal Settlements for Growth. At Principal Settlements and Local Service Centres development will be appropriate to the size of the settlement, meet the identified needs of the settlement and its immediate area and help create a balanced sustainable community.

Employment Land Provision:

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Some 230 hectares of land is allocated in the Sites and Policies document for business and industrial development, whilst 5 hectares of land is allocated in the Sites and Policies document for office floorspace over the plan period.

HRA Findings:

The HRA Screening, included in a letter to Natural England dated September 2015, concluded that the Pre-Submission Draft Rotherham Local Plan Sites and Policies Document is not likely to have any significant effects on Natura 2000 sites. Therefore an Appropriate Assessment was not required.

Doncaster Core Strategy (Adopted May 2012)

Doncaster Local Plan 2015 – 2035 Publication Version (Published June 2019)

Doncaster is located to the north of the District of Bassetlaw.

Doncaster Council is preparing a new Local Plan that will have a big influence on the amount and location of new development across the Borough in the period from 2015 to 2035. The document includes planning policies ensuring the necessary new homes, jobs, shops, leisure and other developments. Policies also address new infrastructure, minerals, energy, health and other community infrastructure, climate change mitigation and adaptation, and conservation and enhancement of the natural and built environment. Doncaster Council has submitted the new Local Plan to the Government for independent examination on 4th March 2020. Once adopted, it will replace the 2012 Core Strategy.

Housing Provision:

Policy 3 (Level and Distribution of Growth) of the emerging Local Plan states that the Council aims to facilitate the delivery of at least 882 (net) new homes each year over the plan period 2018-2033 (18,400 homes in total) with sufficient land allocated to deliver at least 15 years' supply (13,230). New allocations will be distributed according to Policy 6 (Housing Allocations [Strategic Policy]).

Policy 6 (Housing allocations (Strategic Policy)) of the adopted statutory Local Plan states that sufficient land will be provided to deliver 15,668 new dwellings in the first 15 year period of the plan (2018-2035). Within each town, allocation priority will be afforded to well-located brownfield urban sites followed by other well located urban sites followed by sustainable urban extension sites.

Employment Land Provision:

Policy 3 (Level and Distribution of Growth) of the emerging local plan states that the Council aims to facilitate the delivery of at least 481 hectares of employment land over the plan period (2015-2035) to help grow and diversify the Sheffield City Region economy. This includes accommodation of businesses, light industry and manufacturing and distribution and warehouse uses to meet future employment needs.

Policy 4 (Employment Allocations (Strategic Policy)) states that the Council will continue allocating employment sites to help stimulating employment opportunities, to develop a diverse economy, and assist tackling deprivation through job creating and training. It allocates six employment sites, with the majority of employment provision in the plan period to be provided at Junction 6 M18, Thorne North (51.54 ha) and RHADS Site 1, Phase 4 Business Park (68.54 ha).

HRA Findings:

The HRA of the Local Plan Publication Draft identified the potential for significant effects to arise as a result of 11 policies at the screening stage. These policies were considered in detail in the Appropriate Assessment and for the majority the potential impacts were ruled out. A small number of amendments to policies were suggested in order to avoid adverse effects on the integrity of European sites. These have now been implemented in the Local Plan and therefore the HRA concludes that the policies in the local plan are not likely to result in adverse effects on integrity of any European site.

Appendix D

Consultation responses

Appendix D

Consultation responses

Bassetlaw Local Plan Habitats Regulations Assessment
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Table A.6.1: Consultation comments received on January 2020 HRA and how these have been addressed in the November 2020 HRA Report

Consultee	Consultee comment (summarised where appropriate)	LUC response
Natural England	Natural England has reviewed the Habitat Regulations Assessment of the Bassetlaw Plan. We acknowledge that the report follows accepted guidance and methodology.	Noted.
	We also welcome the detailed assessment of the Sherwood possible potential SPA which follows the risk based approach advocated by Natural England. We would however suggest that as the Plan progresses it would be clearer if the HRA presented the assessment on the Sherwood ppSPA separately from that of the European Sites. The ppSPA is not a yet a designation and the assessment of impacts on identified nightjar and woodlark habitat should be termed as a "shadow" HRA or other appropriate term to distinguish it from the HRA for the fully designated sites.	Noted. This iteration of HRA has presented present assessment of the ppSPA as a 'shadow' HRA.
	Raised concerns that Birklands and Bilhaugh SAC and Sherwood Forest National Nature Reserve (which overlaps with the SAC and the ppSPA) could be affected by recreational disturbance, particularly from the Garden Village proposal. These sites already experience high visitor pressure and this is potentially having a detrimental effect on the soils, ground flora and ancient tree health.	HRA focuses on likely effects on European sites, rather than national designations, although we acknowledge there are will be links between the two. Potential effects of recreational pressure on the Birklands and Bilhaugh SAC have been considered further in this iteration of HRA.
	Natural England advises that robust evidence must be provided to show that the proposal would not significantly damage or destroy the interest features for which the SSSI has been notified.	We assume this relates to a comment about the Clumber Park SSSI, which overlaps with the ppSPA. Natural England identified potential for recreational and air quality impacts at this site. The HRA recognises potential for development in the Local Plan to affect the ppSPA via air pollution. Similarly, the potential for the Local Plan to increase recreational pressure at the ppSPA was included in the HRA. On the advice of Natural England, further visitor information was requested from the National Trust, which manages the Clumber Park registered park and garden, which partly overlaps the Clumber Park SSSI and ppSPA.
	Consider that the HRA should have included the recreational and air quality impacts of the proposed garden village on the SAC and NNR designations. This evidence would need to consider appropriate mitigation measures such as buffer zones, sustainable alternative green spaces (SANGs) or other measures. The provision of these measures must be programmed at the right time to mitigate impacts on the environment (objective 14 of the plan). Without satisfactory evidence Natural England would have to declare the Plan unsound.	Air quality was screened out as the SAC and NNR are located more than 200m from a major road (motorway or A road). If residents of the proposed garden village were travelling south, it is likely they would use the A1 or Blyth Road, which is more than 200m from the SAC and NNR.