Springwell Solar Farm

Environmental Statement
Appendix 7.14: Biodiversity Net Gain

Volume 3
[tracked]

EN010149/APP/6.3.2
Revision 2
Deadline 1
June ~~2024~~ 2025
Springwell Energyfarm Ltd

APFP Regulation 5(2)(a)
Planning Act 2008
Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009

Table of Contents

1. Introduction

1.1. Purpose of this Document

1.1.1. This document has been updated at Deadline 1 in response to Relevant Representations from Natural England, Lincolnshire County Council and North Kesteven District Council. The document references have not been updated from the original submission. Please refer to the **Guide to the Application [EN010149/APP/1.2]** for the list of current versions of documents.

~~1.1.1.~~1.1.2. This document has been prepared on behalf of Springwell Energyfarm Ltd ('the Applicant') to present the results of a Biodiversity Net Gain (BNG) assessment to support the application for a Development Consent Order (DCO) for the construction, operation and decommissioning of the proposed Springwell Solar Farm (hereinafter referred to as the 'Proposed Development').

~~1.1.2.~~1.1.3. The location of the Proposed Development is shown in **ES Volume 2, Figure 1.1: Location Plan [EN010149/APP/6.2]**. The Order Limits presented in **ES Volume 2, Figure 1.2: Order Limits [EN010149/APP/6.2]** comprise approximately 1,280 ha of land and constitute the maximum extent of land that will be required to facilitate the construction, operation (including maintenance) and decommissioning of the Proposed Development.

~~1.1.3.~~1.1.4. The objectives of this BNG Assessment are to set out:

- a detailed methodology, including assumptions, for undertaking the BNG assessment;
- the baseline biodiversity value of habitats within the Order Limits prior to construction;
- the likely biodiversity value of habitats within the Order Limits post-development based on the current design information; and
- the relative biodiversity change of habitats within the Order Limits after construction compared with before construction, determining whether the Proposed Development has achieved a 10% net gain in biodiversity, the mandatory minimum requirement from the Environment Act 2021 (noting that this requirement does not apply to Nationally Significant Infrastructure Projects (NSIPs) until 2025).

~~1.1.4.~~1.1.5. The BNG assessment has assessed the **Outline Landscape and Ecology Management Plan (oLEMP) [EN010149/APP/7.9]**. The calculation will therefore be updated as part of the detailed design stage of the Proposed Development to reflect the final design and be included in the Landscape and Ecology Management Plan (LEMP)(s) submitted for approval under the requirement in Schedule 2 of the draft DCO, to demonstrate a minimum 10% BNG is achieved and the trading rules are met. The results of additional habitat

surveys required as part of this update will form part of this re-assessment, where undertaken.

~~1.1.5.~~1.1.6. This BNG assessment is not intended as a habitat implementation or management plan. These matters are set out in the **oLEMP [EN010149/APP/7.7]**.

~~1.1.6.~~1.1.7. This BNG assessment is supported by the following documents:

- The Preliminary Ecological Appraisal (PEA) forming the baseline for the Biodiversity ES Chapter **(ES Volume 3, Appendix 7.1 [EN010149/APP/6.3]).**
- oLEMP **[EN010149/APP/7.9]**
- The UK habitat figure (Figure 1, provided in Appendix A)
- The Green Infrastructure BNG Parameters plan (Figure 2, provided in Appendix A)

1.2. Policy Context

1.2.1. The primary aims of the BNG process are for developments to secure a measurable improvement in habitat for biodiversity, to minimise biodiversity losses and to help to restore ecological networks whilst streamlining development processes. BNG does not replace other existing legislation and policy for nature conservation.

1.2.2. The Planning Act 2008 ('PA 2008') provides the legislative basis and defines the application process under which consent NSIPs is sought. This sets out that projects meeting certain defined criteria are classified as NSIPs. It provides that a DCO is required for development that is or forms part of an NSIP (section 31 PA 2008). 3.2.2 The Project is defined as an NSIP under sections 14(1)(a) and 15(1) and (2) of the PA 2008.

1.2.3. The Environment Act 2021 introduced a requirement for new developments other than NSIPs to deliver a measurable 10% net gain in biodiversity, normally measured in 'biodiversity units' under Defra/Natural England methodology. It is intended the BNG will apply to all terrestrial NSIPs accepted for examination from November 2025.

2. Methodology

2.1. Calculating Biodiversity

2.1.1. This assessment was undertaken in line with guidance from the Chartered Institute of Ecology and Environmental Management, the British Standard for Biodiversity Net Gain (BS 8683) (Ref 1).

2.1.2. Good practice Principles for Biodiversity (Biodiversity Net Gain: Good practice principles for development (Ref 2) have been taken into account when undertaking this assessment (see Section 2.6).

2.1.3. To calculate the baseline values for the Order Limits, and assess any changes arising from the Proposed Development, this assessment uses methods set out the Statutory Biodiversity Metric (hereafter 'the Metric') user guide (Ref 3).

2.1.4. The Metric measures biodiversity value for habitats in 'biodiversity units'. There are three types of biodiversity units, which are calculated in three separate 'modules' of the Metric. These are:

- habitat units (e.g. areas of habitat such as woodland, grasslands, wetlands);
- hedgerow units (e.g. linear vegetated habitats such as hedgerows and lines of trees); and
- watercourse units (e.g. linear aquatic habitats such as culverts, canals, wet ditches, rivers and streams).

2.1.5. Consequently, a site can have three biodiversity unit values, which are assessed using the Metric, but which cannot be summed together or traded between.

2.1.6. The Metric is designed to quantify losses and gains of biodiversity as a result of proposed development or land management to inform and improve planning, design, land management and decision-making. The Metric uses habitats and as a proxy to describe biodiversity.

2.1.7. The Metric can calculate biodiversity value of:

- existing habitats;
- habitat enhancement; and
- habitat creation.

2.1.8. Biodiversity unit values of baseline and proposed habitats are calculated by multiplying the area or length of a habitat by factors that indicate quality and value (distinctiveness, condition and strategic significance).

2.1.9. In addition, for those habitats that are to be created or enhanced, the risk of failure is accounted for by applying multipliers for risk factors (difficulty, time to target condition, and spatial risk).

2.1.10. A brief description of the different multipliers contained within the Metric are presented in **Table 1**.

Table 1 Metric multipliers and their definitions

Metric multiplier	Definition
Habitat distinctiveness	A measure based on the type of habitat and its distinguishing features. This includes: • consideration of species richness and rarity; • the extent to which the habitat is protected by designations; and • the degree to which a habitat supports species rarely found in other habitats.
Habitat condition	A measure of the habitat against its ecological optimum state. Condition is a way of measuring variation in the quality of patches of the same habitat type.
Strategic significance	Describes the local significance of the habitat based on its location and the habitat type.
Difficulty	A measure which represents the uncertainty in the effectiveness of management techniques used to enhance or create habitat.
Time to target condition	The average time taken between starting creation or enhancement of habitats and that habitat reaching its target condition or distinctiveness.
Spatial risk	Spatial risk represents the relationship between the location of biodiversity loss (on-site) and where the off-site habitat is being delivered. This is applied to off-site interventions only

2.2. Defining the Habitat Baseline

2.2.1. Habitat surveys were carried out as part of the Preliminary Ecological Appraisal (PEA). Full details of the PEA methodology can be found in **ES Volume 3, Appendix 7.1: Preliminary Ecological Appraisal [EN010149/APP/6.3]** in April/May 2022 and January and July 2023. This survey classified the habitats

within the Order Limits before construction using the UK Habitat classification system (Ref 4). This survey also assessed the ecological condition of each habitat parcel using the Defra condition assessment criteria (Ref 3).

2.2.2. The results of the PEA were supplemented with the results of the following surveys to robustly assess the value of the baseline habitats:

- Notable arable flora (non-crop plant) surveys in targeted sample cropped areas were carried out in June 2024. Full details of the survey methodology can be found in **ES Volume 3, Appendix 7.8: Notable Arable Flora [EN010149/APP/6.3]**.
- Botanical survey of four LWS grassland road verges, which are proposed to be removed for highways access, were carried out in June 2024. Full details of the survey methodology can be found in **ES Volume 3, Appendix 7.9: Local Wildlife Site Verges Survey [EN010149/APP/6.3]**.
- Hedgerow surveys, undertaken in August 2023, May 2024 and August 2024 of hedgerows likely to be affected by the Proposed Development within the Order Limits (for internal access roads, highways access and potentially for cable installation). Full details of the hedgerow survey methodology can be found in **ES Volume 3, Appendix 7.11: Important Hedgerow Survey [EN010149/APP/6.3].**

2.2.3. The results of these surveys were used to determine the extent, classification and condition of all the baseline habitats within the Order Limits (*c* 1,280 hectares (ha)). The results of the condition assessment for each baseline habitat polygon or line is presented in Appendix B.

2.2.4. Strategic Significance is defined for each habitat parcel within the baseline. This accounts for the local significance of the habitat based on its location and habitat type, as defined in local documents such as the Local Nature Recovery Strategy (LNRS). Where an LNRS has not been published, alternative documents should be used.

2.2.5. In this assessment, Strategic Significance is defined for baseline habitats using the Lincolnshire Biodiversity Action Plan (BAP) 2011-2020 (Ref 5). Each habitat parcel is assessed against the following criteria:

- High – Habitat type and location is mapped in local documentation and delivers the priorities set out in the applicable document.
- Medium – Applied where the above criteria is not met but the habitats location is ecologically desirable.
- Low – Applied where the definitions for high or medium strategic significance are not met.

2.2.6. Those habitats identified within the BAP have been given a higher strategic significance than those that have not which increases their value. A full description of how the biodiversity design of the Proposed Development has

been derived and the iterative approach taken is given in the oLEMP [**EN010149/APP/7.9]**.

River Condition Assessment

2.2.7. Modular River Physical 5 (MoRPh5) surveys were undertaken to collect field information for sub-reach of the included watercourses. These surveys were undertaken by an RCA accredited surveyor on the 26th and 27th of March 2025 at low flow conditions and following a period of dry weather. These surveys followed guidance ~~from Shuker et al., 2017 and Gurnell et al., 2020~~(Ref 6) and incorporated the riparian habitat, 10 m from the bank edge, and recorded information relating to the bank top, bank face, channel-water margin and the riverbed.

2.2.8. Each MoRPh5 survey (sub-reach) on the watercourses identified for survey was 50 m in length, consisting of five contiguous MoRPh survey modules of 10 m (the module length for streams <5m in width). Sufficient MoRPh5 surveys ~~should be~~were undertaken to provide a minimum survey coverage of 20% of the total river length of the watercourse assessed to provide robust assessment for BNG.

2.2.9. Seven MoRPh5 surveys were undertaken on the Dorrington Dyke tributary, resulting in a combined survey length of 350 m (c.23% of the total length assessed). Two MoRPh5 surveys were undertaken on the Car Dyke tributary, resulting in a combined survey length of 100 m (c. 21% of the total length assessed).

2.2.10. The MoRPh5 surveys represented the range of local river conditions capturing the most physically degraded part of the river and the most natural/unmodified part of the watercourses assessed.

2.2.11. Survey data was uploaded to the Cartographer platform (Cartographer Studios Ltd, 2024). There are a total of 15 river types incorporated into the RCA. Eight river type indicators were combined to determine the indicative river type for the scheme. Five indicators (A1-A5) were assessed by the desk-based reach scale study of an extended reach, within which the assessed area is located. The reaches selected for surveying were typically c. 1 km in length to determine the respective watercourse 'type' robustly. The main requirement was that each reach broadly displayed a similar width and planform along its length with no large structures (dams) or large tributaries (width exceeding a quarter of that of the river channel being characterised. A further three indicators (A6-A8) were automatically estimated from MoRPh5 survey data once it had been uploaded into Cartographer.

2.2.12. The results of the field surveys were correlated with the river type to define the final condition.

2.2.13. The watercourse module in the BNG Statutory Metric (the 'metric') requires an assessment of riparian and watercourse encroachment. This assesses the

presence of any feature that reduces the quantity, quality or ecological function of the riparian or in channel habitat. Encroachment was assessed during the field survey.

2.2.14. The watercourses have all been considered of medium strategic significance on the basis that they are not included in the Lincolnshire BAP but serve as an ecological corridor through the area.

2.3. Defining the Proposed Development habitats

2.3.1. The Zonal Masterplan, which is provided in **ES Volume 2, Figure 3.1: Zonal Masterplan [EN010149/APP/6.2]** and Green Infrastructure Plan, which is provided in **ES Volume 2, Figure 3.3: Green Infrastructure Parameters [EN010149/APP/6.2]**, were used to determine the extent of habitats within the Order Limits after construction.

2.3.2. The Green Infrastructure BNG Parameters plan (Figure 2 Appendix A) shows the extent of area outside of the Green Infrastructure parameters to be retained, along with proposing the following:

- Solar PV module areas
- Mitigation areas
- Green Infrastructure margin areas for biodiversity enhancement
- Community growing area
- Proposed strategic tree and hedgerow planting
- Vegetation removal plan (provided in **ES Volume 2, Figure 3.11: Vegetation Removal Parameters [EN010149/APP/6.2)]**).

2.3.3. Details of the habitats proposed within the areas above are set out in the oLEMP **[EN010149/APP/7.9]**. This document sets out what habitat intervention is required for mitigation, and what the nature of the other biodiversity enhancements within the Green Infrastructure areas will be for the Proposed Development. This information was used to determine the extent, classification and future condition of the Proposed Development habitats following construction.

2.3.4. Strategic Significance was assessed for the Proposed Development habitats following the same methodology defined above.

2.3.5. Habitat loss, such as hedgerows, due to the Proposed Development have been accounted for by having reference to the Vegetation Removal Plan which is provided in **ES Volume 2, Figure 3.11: Vegetation Removal Parameters [EN010149/APP/6.2]**.

2.4. Trading Rules

2.4.1. The trading rules set minimum habitat creation and enhancement requirements to compensate for specific habitat losses, up to the point of no net loss. They are based on the habitat type and distinctiveness of the lost habitat. Losses of higher distinctiveness habitats require replacement of the same habitat type to satisfy the trading rules while losses of lower distinctives can be replaced by similar or better habitats.

2.4.2. The trading rules have been followed throughout this assessment.

2.5. Irreplaceable and Very High Distinctiveness Habitats

2.5.1. Irreplaceable habitats are habitats which are very difficult (or take a very significant time) to restore, recreate or replace once destroyed. As such, any losses to irreplaceable habitats cannot be calculated by the Metric and they are removed from the baseline.

2.5.2. Very high distinctiveness habitats are highly threatened, internationally scarce habitats which require conservation action. Impacts to these habitats should be avoided in line with planning policy and would require bespoke compensation if impacted.

2.5.3. There are no irreplaceable or very high distinctiveness habitats within the Order Limits therefore avoidance or bespoke compensation does not need to be explored.

2.6. Assumptions and Limitations

2.6.1. The following habitats have been considered in the following modules:

- All area habitats mapped with Arc GIS with a polygon have been assessed in the habitat module.
- All hedgerows and lines of trees are mapped with a line and have been assessed in the hedgerow module.
- All ditches (mapped with lines) that are mapped directly adjacent to a hedgerow have been considered in the hedgerow module using the selection of ‘hedgerow – associated with bank or ditch’.
- All ditches not adjacent to a hedgerow have been considered in the watercourse module.
- The stream on-site has been mapped with a line and is considered in the watercourse module.
- The River Condition Assessment survey was carried out in late March following a period of warm dry weather. This meant it was possible to see the vegetation communities which would be present within the ideal months for survey as growth of vegetation, particularly bank top and face herbaceous vegetation, and aquatic vegetation were identifiable. Due to dry conditions leading up to the survey, the watercourses assessed were subject to low flow

conditions meaning the channel bed features and sediments were clearly visible, As such, the time of year the survey was undertaken was ideal and is not considered a constraint to the validity of the results.

2.6.2. The Lincolnshire BAP 2011-2020 (Ref 5) was used to assign strategic significance for each habitat in the absence of an available Local Nature Recovery Strategy. Justification of strategic significance for each habitat is provided within the user comments box in the Metric.

2.6.3. The assessment assumes that all baseline ponds, scrub and woodland are retained.

2.6.4. The community growing area, as outlined in **ES Volume 2, Figure 3.1: Zonal Masterplan [EN010149/APP/6.2]**, has been assessed in the Metric as an allotment. It is assumed that the margins in this field will be retained.

2.7. BNG Good Practice Principles for Development

2.7.1. The Metric sets out a series of good practice principles in accordance with which all BNG assessments should be undertaken. **Table 2** sets out how these principles have been applied to the Proposed Development.

Table 2 Statutory metric good practice principles for BNG and how they have been applied (Ref 2)

Principle	Justification for how principle has been applied
Principle 1: The metric assessment should be completed by a competent person.	The BNG assessment has been undertaken by [redacted] (MCIEEM), who has extensive knowledge and expertise in BNG assessments gained through training and experience on a significant number of projects that have required BNG assessments to be undertaken. In addition, this work has been reviewed by [redacted] (FCIEEM, CEcol, CEnv).
Principle 2: The use of this biodiversity metric does not override existing biodiversity protections, statutory obligations, policy requirements, ecological mitigation hierarchy or any other requirements. This includes consenting or licensing processes, for example woodlands	Existing levels of protection afforded to protected species and habitats are not changed by use of this or any other metric. Statutory obligations will still need to be satisfied. The Environmental Statement details the presence of protected and/or notable species, sites and habitats, and assesses potential impacts and outlines suitable mitigation measures to address these. These required mitigation measures have been factored into this Biodiversity Strategy with a clear distinction made between mitigation and enhancement for biodiversity.
Principle 3: The biodiversity metric should be used in accordance with established good practice guidance and professional codes	The mitigation hierarchy has been applied to the design of the Proposed Development which as outlined in this Biodiversity Net Gain Assessment has been an iterative process. The area of permanent habitat loss has been kept to a minimum without compromising the Proposed Development. The habitats that will be created and enhanced within the Order Limits will be appropriate, and of the correct distinctiveness, to compensate for the habitats that will be impacted.
Principle 4: The biodiversity metric is not a complex or comprehensive ecological model and is not a substitute for expert ecological advice.	It is acknowledged that the Metric has been kept deliberately simple to be of practical use. The calculations have been undertaken by specialists and input is underpinned by robust

Principle	Justification for how principle has been applied
	baseline evidence and ecological knowledge and experience.
Principle 5: Biodiversity units are a proxy for biodiversity and should be treated as relative values.	It is acknowledged that the Metric is a tool to be used as a means of assessing changes in biodiversity value (losses or gains) brought about by the proposed development and is a habitat-based approach to determining a proxy biodiversity value within the Order Limits and the output does not represent absolute values.
Principle 6: This biodiversity metric is designed to inform decisions in conjunction with locally relevant evidence, expert input, or guidance	Impacts to protected and notable species and habitats have been fully assessed as part of the EIA undertaken for Springwell Solar Farm and is reflected in this Biodiversity Assessment with a clear distinction made between mitigation and enhancement for biodiversity.
Principle 7: Habitat interventions need to be realistic and deliverable within a relevant project timeframe.	The habitats chosen for creation and enhancement have been done so based on the existing on-site conditions and local context, not purely to achieve the greatest possible BNG result using the Metric. Any post-development habitats that are created or enhanced will be managed and maintained in accordance with the oLEMP [add ref].
Principle 8: Created and enhanced habitats should be, where practical and reasonable, local to any impact and deliver strategically important outcomes for nature conservation.	As outlined in this Biodiversity Assessment the created and enhanced habitats to achieve the BNG requirements are all being delivered within the Order Limits and are therefore local to the impacts.
Principle 9: The biodiversity metric does not enforce a minimum habitat size ratio for compensation of losses. Proposals should aim to: • maintain habitat extent - supporting more, bigger, better and more joined up ecological networks • ensure that proposed or retained habitat parcels are of sufficient size for ecological function	The BNG Zonal Masterplan (Figure 2, Appendix A) looks to buffer and extend existing calcareous grassland Local Wildlife Site (LWS) verges as well as extending the area managed for biodiversity adjacent to the Wildlife Trust Bloxholm wood nature reserve. This is secured as a **Design Commitment [EN010149/APP/7.4].**

3. Results

3.1. Overview

3.1.1. The below presents a summary of the BNG assessment for the Proposed Development. The full assessment is detailed in the Metric calculation tool (Excel spreadsheet), which is presented with the application. The condition assessment for each baseline habitat parcel in presented within Appendix B.

3.2. Habitat Baseline

3.2.1. The baseline habitats are displayed on Figure 1 Appendix A. The baseline values of these habitats are presented below by biodiversity unit type.

Habitat Units

3.2.2. The area, ecological condition and strategic significance of each baseline habitat recorded within the Order Limits is presented in **Table 3** along with their value in habitat units.

Table 3 Baseline habitat unit value for the Order Limits before construction

Habitat	Area (ha)	Condition	Strategic Significance	Baseline habitat units
Cereal crops	433.05	Condition Assessment N/A	Low	866.1
Non-cereal crops	120.01	Condition Assessment N/A	Low	240.02
Temporary grass and clover leys	176.03	Condition Assessment N/A	Low	352.06
Arable field margins pollen and nectar	0.91	Condition Assessment N/A	High	4.186
Winter stubble	12.59	Condition Assessment N/A	Low	25.18
Modified grassland	9.1	Good	Low	54.6
Modified grassland	0.04	Moderate	Low	0.16
Modified grassland	444.24	Poor	Low	888.48
Other neutral grassland	3.68	Good	High	50.784

Habitat	Area (ha)	Condition	Strategic Significance	Baseline habitat units
Other neutral grassland	29.54	Moderate	High	271.768
Other neutral grassland	4.38	Poor	High	20.148
Lowland calcareous grassland	13.6	Moderate	High	187.68
Lowland calcareous grassland	0.64	Poor	High	4.416
Mixed scrub	0.2	Moderate	Medium	1.76
Mixed scrub	0.08	Poor	Medium	0.352
Ponds (non-priority habitat)	0.01	Good	High	0.138
Ponds (non-priority habitat)	0.06	Moderate	High	0.552
Ponds (non-priority habitat)	0.04	Poor	High	0.184
Developed land; sealed surface	20.57	N/A - Other	Low	0
Artificial unvegetated, unsealed surface	1.99	N/A - Other	Low	0
Vegetated garden	0.02	Condition Assessment N/A	Low	0.04
Lowland mixed deciduous woodland	1.41	Good	High	29.187
Lowland mixed deciduous woodland	0.06	Moderate	High	0.828
Other woodland; broadleaved	1.11	Moderate	Medium	9.768
Other woodland; broadleaved	0.22	Poor	Medium	0.968

Habitat	Area (ha)	Condition	Strategic Significance	Baseline habitat units
Other woodland; mixed	5.53	Moderate	Medium	48.664
Other woodland; mixed	0.39	Poor	Medium	1.716
Other woodland coniferous	0.03	Poor	Medium	0.066
Total	**1,279.53**	**-**	**-**	**3,059.81**

3.2.3. The impact of the Proposed Development on the area and habitat unit value of the baseline habitats is displayed in **Table 4**.

Table 4 Impact of the Proposed Development on the baseline habitat area and habitat unit value

Impact	Area (ha)	Baseline habitat units
Retained	416.74	1,234.64
Enhanced	389.92	783.46
Lost[1]	472.87	1041.71
Total	**1,279.53**	**3,059.81**

Hedgerow units

3.2.4. The length, ecological condition and strategic significance of each baseline hedgerow recorded within the Order Limits is presented in **Table 5** along with their value in hedgerow units.

[1] In BNG terms habitat lost means the removal of one habitat and replacement with another, including developed land

Table 5 Baseline hedgerow unit value for the Order Limits before construction

Habitat	Length (km)	Condition	Strategic Significance	Baseline hedgerow units
Native hedgerow	7.39	Good	High	50.991
Native hedgerow	8.79	Moderate	High	40.434
Native hedgerow	7.92	Poor	High	18.216
Native hedgerow - associated with bank or ditch	3.15	Good	High	43.47
Native hedgerow - associated with bank or ditch	0.55	Moderate	High	5.06
Native hedgerow with trees	16.82	Good	High	232.116
Native hedgerow with trees	8.81	Moderate	High	81.052
Native hedgerow with trees	6.75	Poor	High	31.05
Native hedgerow with trees - associated with bank or ditch	0.37	Good	High	7.659
Native hedgerow with trees - associated with bank or ditch	1.21	Moderate	High	16.698
Species-rich native hedgerow with trees	0.08	Moderate	High	1.104
Ecologically valuable line of trees	0.26	Moderate	High	2.392
Ecologically valuable line of trees	3.77	Poor	High	17.342
Line of trees	0.17	Moderate	High	0.782
Non-native and ornamental hedgerow	0.05	Poor	Low	0.05
Total	**66.09**	**-**	**-**	**548.42**

3.2.5. The impact of the Proposed Development on the total length and hedgerow unit value of the baseline hedgerows is displayed in **Table 6**.

Table 6 Impact of the Proposed Development on the total baseline length and hedgerow unit value

Impact	Length (Km)	Baseline hedgerow units
Retained	64.5	537.12
Enhanced	0.23	1.1
Lost	1.36	10.24
Total	**66.09**	**548.42**

Watercourse Units

~~3.2.6. The area and ecological condition of each baseline habitat polygon recorded within the Order Limits is presented in **Table 7** along with their value in habitat units.~~

~~Table 7 Baseline watercourse unit value for the Application Site before construction~~

~~Habitat~~	~~Length (km)~~	~~Condition~~	~~Strategic Significance~~	~~Baseline watercourse units~~
~~Other rivers and streams~~	~~1.51~~	~~Moderate~~	~~Medium~~	~~17.94~~
~~Ditches~~	~~0.3~~	~~Poor~~	~~Medium~~	~~1.02~~
~~**Total**~~	~~**1.81**~~	~~-~~	~~-~~	~~**18.96**~~

~~3.2.7. All watercourse lengths within the Order limits are retained.~~

Tributary of the Dorrington Dyke

3.2.6. This 1.5 km watercourse flowed from west to east along the Order Limits boundary, leaving the Order Limits under the B1188. There was a 6 m buffer of grassland that ran along the left bank (north side) with cropland crops beyond this. Riparian habitats varied along the right bank (south side), largely outside of the Order Limits, with some areas with a 2 m grassland buffer before cropland, some areas with woodland and an area of grassland. There were 3 ponds present within the south bank riparian zone in places.

3.2.7. This watercourse was considered overdeep, i.e., has been modified and less likely to connect with the floodplain.

3.2.8. There was no watercourse encroachment along the entire length of the watercourse. Riparian encroachment was considered major on the left bank as the cropland (6-10 m of the bank top) occupied greater than 25% of the total riparian zone area. On the right bank, riparian encroachment varied from major (limited grassland buffers) to no encroachment (where grassland or woodland comprised the entirety of the bank top).

3.2.9. Error! Reference source not found. presents the sections of the watercourse of different condition from upstream (west) to downstream (east). Full RCA field survey and desk study results for the Dorrington Dyke tributary are presented in Appendix C.

Table 7 Tributary of Dorrington Dyke Baseline Watercourse Unit Value

Section	Length (km)	Baseline condition (overdeep assessment applied)	Watercourse encroachment	Riparian encroachment	Baseline watercourse units
1	0.57	Fairly Poor	No encroachment	Major encroachment both banks	3.85
2	0.12	Moderate	No encroachment	Major encroachment left bank/ no encroachment right bank	1.25
3	0.21	Fairly Poor	No encroachment	Major encroachment both banks	1.42
4	0.6	Moderate	No encroachment	Major encroachment left bank/ no encroachment right bank	6.26
Total	**1.5**	-	-	-	**12.78**

Tributary of the Car Dyke

3.2.10. This 0.48 km watercourse flowed from south to north-east just outside the Order Limits boundary. There was an 8-9 m buffer of grassland that ran along the right bank (east side), crossing into the Order Limits, with cropland beyond this. The left bank (west side), outside of the Order Limits, was comprised of rough grassland.

3.2.11. This watercourse was considered overdeep, i.e., has been modified and less likely to connect with the floodplain.

3.2.12. There was no watercourse encroachment along the entire length of the watercourse. Riparian encroachment was considered moderate on the right bank as the cropland occupied between 10% to 25% of the total riparian zone. There was no riparian encroachment on the left bank.

3.2.13. **Table 8** presents the sections of the watercourse of different condition from upstream (south) to downstream (north-east). Full RCA field survey and desk study results for the Car Dyke tributary are presented in Appendix C.

Table 8 Tributary of Car Dyke Baseline Watercourse Unit Value

Section	Length (km)	Baseline condition (overdeep assessment applied)	Watercourse encroachment	Riparian encroachment	Baseline watercourse units
1	0.11	Fairly Poor	No encroachment	Moderate encroachment left bank/ no encroachment right bank	1
2	0.37	Moderate	No encroachment	Moderate encroachment left bank/ no encroachment right bank	4.49
Total	**0.48**	-	-	-	**5.5**

3.2.14. All watercourse lengths within the Order Limits are retained.

3.3. Post Development

3.3.1. The proposed areas following the construction of the Proposed Development, including those which deliver mitigation and green infrastructure are displayed on **Figure 2**, **Appendix A**. The proposed classification, condition and strategic significance of the habitats within these areas, along with their biodiversity value, are presented below by biodiversity unit type.

Habitat Units

3.3.2. The area, proposed ecological condition and strategic significance of each habitat planned within the Proposed Development is presented in **Table 7** along with their value in habitat units.

Table 7 Habitat units delivered by the Proposed Development

Proposed habitat	Area (ha)	Proposed condition	Strategic Significance	Habitat units delivered
Retained Habitat				
Cereal crops	105.38	Condition Assessment N/A	Low	210.76
Non-cereal crops	60.35	Condition Assessment N/A	Low	120.7
Temporary grass and clover leys	111.22	Condition Assessment N/A	Low	222.44
Arable field margins pollen and nectar	0.42	Condition Assessment N/A	High	1.932
Winter stubble	12.59	Condition Assessment N/A	Low	25.18
Modified grassland	0.04	Good	Low	0.24
Modified grassland	0.04	Moderate	Low	0.16
Modified grassland	51.34	Poor	Low	102.68
Other neutral grassland	2.52	Good	High	34.776
Other neutral grassland	26.58	Moderate	High	244.536
Other neutral grassland	2.9	Poor	High	13.34
Lowland calcareous grassland	11.54	Moderate	High	159.252
Lowland calcareous grassland	0.64	Poor	High	4.416
Mixed scrub	0.2	Moderate	Medium	1.76
Mixed scrub	0.08	Poor	Medium	0.352
Ponds (non-priority habitat)	0.01	Good	High	0.138

Proposed habitat	Area (ha)	Proposed condition	Strategic Significance	Habitat units delivered
Ponds (non-priority habitat)	0.06	Moderate	High	0.552
Ponds (non-priority habitat)	0.04	Poor	High	0.184
Developed land; sealed surface	20.57	N/A - Other	Low	0
Artificial unvegetated, unsealed surface	1.45	N/A - Other	Low	0
Vegetated garden	0.02	Condition Assessment N/A	Low	0.04
Lowland mixed deciduous woodland	1.41	Good	High	29.187
Lowland mixed deciduous woodland	0.06	Moderate	High	0.828
Other woodland; broadleaved	1.11	Moderate	Medium	9.768
Other woodland; broadleaved	0.22	Poor	Medium	0.968
Other woodland; mixed	5.53	Moderate	Medium	48.664
Other woodland; mixed	0.39	Poor	Medium	1.716
Other coniferous woodland	0.03	Poor	Medium	0.066
Sub-total	*416.74*	-	-	*1,234.64*
Enhanced and created habitats				
Lowland calcareous grassland (mitigation)	161.35	Moderate	High	564.33

Proposed habitat	Area (ha)	Proposed condition	Strategic Significance	Habitat units delivered
Other neutral grassland (mitigation)	7.64	Good	Medium	66.19
Arable field margins – wild bird mix (mitigation within Green Infrastructure area)	25.46	Condition Assessment N/A	High	113.02
Other neutral grassland (rough grass margins within Green Infrastructure area)	34.23	Poor	High	149.88
Other neutral grassland (flower-rich neutral grassland margins within Green Infrastructure area)	23.04	Moderate	High	165.20
Legume-rich modified grassland (Solar PV Module area)	593.85	Fairly Poor	Low	1671.72
Allotments (community garden area)	1.86	Moderate	Low	7.18
Other woodland; broadleaved (proposed tree planting)	15.35	Poor	Medium	56.52
Sub-total	*862.78*	-	-	*2,794.04*
Total	**1,279.53**	**-**	**-**	**4028.67**

3.3.3. The proposed condition of the habitats enhanced or created for mitigation, biodiversity enhancement or amenity is based upon each habitat considered likely to meet a certain number of condition assessment criteria. These are displayed in **Table 8**.

Table 8 Condition assessment criteria considered achievable for proposed habitats

Proposed habitat	Proposed condition	Condition assessment criteria considered achievable[2]
Lowland calcareous grassland (mitigation)	Moderate	Consistently high proportion of characteristic indicator species. Varied sward height. cover of bare ground is between 1-5%. cover of bracken and scrub <5%.
Other neutral grassland (mitigation)	Good	>10 species per m2 would be present. Consistently high proportion of characteristic indicator species. Varied sward height. cover of bare ground is between 1-5%. cover of bracken and scrub <5%. cover of suboptimal species and damaged ground <5%.
Arable field margins – wild bird mix (mitigation within Green Infrastructure area)	Condition Assessment N/A	N/A
Other neutral grassland (rough grass margins within Green Infrastructure area)	Poor	Varied sward height. cover of bracken and scrub <5%.
Other neutral grassland (flower-rich neutral grassland margins within Green Infrastructure area)	Moderate	Consistently high proportion of characteristic indicator species. Varied sward height. cover of bracken and scrub <5%.
Legume-rich modified grassland (Solar PV Module area)	Fairly poor	There are 6-8 vascular plant species per m2 including 2 forbs. Sward height is varied

[2] Criteria used by the Condition Assessment methodology in guidance produced by DEFRA for the statutory metric.

Proposed habitat	Proposed condition	Condition assessment criteria considered achievable[2]
		Scrub <20% of total grassland area. Cover of Bracken <20%
Allotments (community garden area)	Moderate	Vegetation structure is varied. Contains different plant species beneficial to wildlife.
Other woodland; broadleaved (proposed tree planting)	Poor	No significant browsing damage present. No invasive species present. > 5 native tree or shrub species. Tree mortality < 25%. No nutrient enrichment or damaged ground evident.

Hedgerow Units

3.3.4. The length, ecological condition and strategic significance of each hedgerow planned within the Proposed Development is presented in **Table 9** along with their value in hedgerow units.

Table 9 Hedgerow units delivered by the Proposed Development

Proposed Habitat	Length (km)	Proposed Condition	Strategic Significance	Hedgerow units delivered
Retained Hedgerows				
Native hedgerow	7.18	Good	High	49.542
Native hedgerow	8.35	Moderate	High	38.41
Native hedgerow	7.71	Poor	High	17.733
Native hedgerow - associated with bank or ditch	3.15	Good	High	43.47
Native hedgerow - associated with bank or ditch	0.55	Moderate	High	5.06
Native hedgerow with trees	16.61	Good	High	229.218

Proposed Habitat	Length (km)	Proposed Condition	Strategic Significance	Hedgerow units delivered
Native hedgerow with trees	8.44	Moderate	High	77.648
Native hedgerow with trees	6.63	Poor	High	30.498
Native hedgerow with trees - associated with bank or ditch	0.36	Good	High	7.452
Native hedgerow with trees - associated with bank or ditch	1.21	Moderate	High	16.698
Species-rich native hedgerow with trees	0.06	Moderate	High	0.828
Ecologically valuable line of trees	0.26	Moderate	High	2.392
Ecologically valuable line of trees	3.77	Poor	High	17.342
Line of trees	0.17	Moderate	High	0.782
Non-native and ornamental hedgerow	0.05	Poor	Low	0.05
Sub-total	*64.5*	-	-	*537.12*
Enhanced and created habitats				
Native hedgerow with trees	0.23	Good	High	1.8
Species-rich native hedgerow	13.83	Moderate	High	106.47

Proposed Habitat	Length (km)	Proposed Condition	Strategic Significance	Hedgerow units delivered
Species-rich native hedgerow with trees	1.7	Moderate	High	16.43
Sub-total	*15.76*	-	-	*124.7*
Total	**80.26**	**-**	**-**	**661.83**

3.3.5. In the baseline 1.66km of hedgerow were of high distinctiveness because of an associated bank or ditch. Therefore, in order to meet the trading rules the following extent of hedgerow will be included within the 1.7km of Species-rich native hedgerow outlined above in Table 10:

- Create 0.03km (30m) of native hedgerow with trees - associated with a bank or ditch (moderate condition).
- Enhance 0.02km (20m) of existing native hedgerows with trees - associated with a bank or ditch from moderate to good condition.

Watercourse Units

~~3.3.5. The length, ecological condition and strategic significance of each watercourse planned within the Proposed Development is presented in **Table 11**, along with their value in watercourse units.~~

~~Table 11 Watercourse units delivered by the Proposed Development~~

~~Proposed Habitat~~	~~Length (km)~~	~~Proposed condition~~	~~Strategic Significance~~	~~Watercourse units delivered~~
~~**Retained habitats**~~				
~~Other rivers and streams~~	~~1.51~~	~~Moderate~~	~~Medium~~	~~17.94~~
~~Ditches~~	~~0.3~~	~~Poor~~	~~Medium~~	~~1.02~~
~~**Total**~~	~~**1.81**~~	~~-~~	~~-~~	~~**18.96**~~

3.3.6. The Springwell Biodiversity Net Gain Assessment (DOC REF) applied the retention function to watercourses within and adjacent to the Order Limits in the absence of an RCA survey to define their condition.

3.3.7. Since the RCA survey has been undertaken, the assessment of post development watercourse unit uplift can be carried out.

3.3.8. The Biodiversity Chapter of the Environment Statement (ES) [EN010149/APP/6.1] presents the following information regarding mitigation relevant to biodiversity embedded into the design that is important when considering post development impacts to watercourse units:

- Perimeter fencing surrounding the Solar PV development will be offset at least 6m either side from all existing ditches where crossing is not required.
- Perimeter fencing will permit the passage of wildlife.
- Creation of tussocky grassland across field margins.
- Creation of neutral grassland with wildflowers along field margins.
- Creation of legume-rich grassland under and between Solar PV modules. This will increase floristic diversity and consequently increase invertebrate diversity and abundance. An increase in invertebrate diversity and abundance will provision a foraging source for birds and bats.

3.3.9. In addition to this, the Landscape and Visual Chapter of the ES [EN010149/APP/6.1] presents the following information regarding mitigation relevant to landscape embedded into the design that is important when considering post development impact to watercourse units.

- 20 m width belt of structural native woodland planting along the southern boundary of Field Bk10

Tributary of the Dorrington Dyke

3.3.10. This watercourse would no longer have cropland within the last 4m of the riparian zone in sections 1 and 2 which instead would be legume-rich modified grassland. In addition to this, the existing 6 m margin would be enhanced to either a more tussocky or flower-rich sward. While these interventions would not be sufficient to increase the condition of these watercourse sections, the beneficial change in riparian encroachment would change the riparian encroachment multiplier for the left bank (north side). The Solar PV development may be present within the edge of the 10 m riparian zone however is unlikely that it would occupy greater than 25% of the total riparian zone area. Therefore, this encroachment multiplier changes from major riparian encroachment to moderate, assuming coverage of Solar PV development covers 10% to 25% of the total riparian zone. The encroachment on the right bank (south side) is still considered major due to the retained agricultural field outside of the Order Limits.

3.3.11. Sections 3 and 4 are located within field Bk10 and will be enhanced with the planting of 20 m width belt of native woodland along the left bank (north side). This will improve the bank top vegetation structure however similarly to the sections above, this intervention will not be sufficient to improve the watercourse condition. The beneficial change to the riparian area will however change the riparian encroachment multiplier from major to no encroachment. The riparian encroachment of the right bank (south side) in section 3 remains

major, due to the cropland adjacent to the watercourse outside of the Order Limits. The riparian encroachment of the right bank (south side) in section 4 remains as no encroachment due to the presence of the woodland adjacent to the watercourse outside of the Order Limits.

3.3.12. The reduction in riparian encroachment on the left bank (north side) is sufficient to deliver a minimum 10% gain in biodiversity even though the overall condition of the watercourse stays the same.

Tributary of the Car Dyke

3.3.13. This watercourse lies 3-4 m outside of the Order Limits which means that the proposed 6 m buffer strip of tussocky or flower-rich margins ensure that cropland is no longer present within the riparian zone. This will not be sufficient to improve the watercourse condition but would change the riparian encroachment multiplier from moderate encroachment to no encroachment for both sections.

3.3.14. This reduction in riparian encroachment on the right bank (east side) is sufficient to deliver a minimum 10% gain in biodiversity even though the overall condition of the watercourse stays the same.

Ditches

3.3.15. While the ditches are likely to be buffered up to 6 m, some of these may be crossed by the Proposed Development. These watercourses have been considered retained (i.e., not enhanced) until crossing point locations have been finalised. An accurate assessment of the improvement in ditch condition or reduction in encroachment will be undertaken and presented in the final Biodiversity Net Gain Assessment and the LEMP following detailed design.

Watercourse units delivered by the Proposed Development

3.3.16. Error! Reference source not found. presents the uplift in watercourse units delivered by the Proposed Development embedded mitigation.

3.3.17. The length, ecological condition and strategic significance of each watercourse planned within the Proposed Development is presented in , along with their value in watercourse units.

Table 10 Watercourse units delivered by the Proposed Development

Section	Length (km)	Proposed condition	Watercourse encroachment	Riparian encroachment	Baseline watercourse units	Watercourse units delivered
Tributary of Dorrington Dyke						

Section	Length (km)	Proposed condition	Watercourse encroachment	Riparian encroachment	Baseline watercourse units	Watercourse units delivered
1	0.57	Fairly Poor	No encroachment	Moderate encroachment left bank / Major encroachment right bank	3.85	5.19
2	0.12	Moderate	No encroachment	Moderate encroachment left bank/ no encroachment right bank	1.25	1.46
3	0.21	Fairly Poor	No encroachment	No encroachment left bank Major encroachment right bank	1.42	1.81
4	0.6	Moderate	No encroachment	No encroachment both banks	6.26	7.92
Tributary of Car Dyke						
1	0.11	Fairly Poor	No encroachment	No encroachment both banks	1	1.09
2	0.37	Moderate	No encroachment	No encroachment both banks	4.49	4.88
Ditches						
N/A	0.3	Poor	No encroachment	Moderate-Major	1.02	1.02
Total	**2.28**	-	-	-	**20.57**	**23.37**

3.4. Biodiversity Net Change

3.4.1. The change in biodiversity value delivered by the Proposed Development is summarised in **Table 11**.

Table 11 Change in units through the Proposed Development

Unit type	No. baseline units	No. units delivered	Unit net change	Percentage net change
Habitat units	3,059.81	4028.67	968.87	31.66
Hedgerow units	548.42	661.83	113.41	20.68
Watercourse units	20.57	23.37	2.8	13.59

3.4.2. The table above indicates that the Proposed Development would result in an increase of **968.87 habitat units**, which equates to a **31.66%** biodiversity net gain. The trading rules of the Metric have been satisfied for habitat units, indicating that the distinctiveness of the proposed habitats is sufficient to account for habitats lost.

3.4.3. There would also be an increase of **113.41 hedgerow units**, which equates to a **20.68%** biodiversity net gain, see Paragraph 3.3.5 which details how trading rules have been met. . ~~The trading rules of the Metric have not been satisfied for hedgerow units due to the marginal loss of 'native hedgerow with trees – associated with bank or ditch' habitat and no proposed hedgerow creation that is associated with a bank or ditch. This could be overcome by creating some of the proposed new hedgerows on a bank or creating a ditch along an existing hedgerow.~~

~~3.4.4. There would be no change in watercourse units due to no impacts to the watercourses, which equates to no net loss. The trading rules of the Metric have been satisfied for watercourse units because no watercourses will be affected by the Proposed Development.~~

3.4.4. There would be an increase in **13.59% for watercourse units** due to minimising encroachment in the riparian zone.

4. References

- **Ref-1** British Standard Institute (2021) BS 8683: Process for designing and implementing biodiversity net gain – Specification. Available online: https://www.bsigroup.com/en-GB/our-services/events/webinars/2021/bs-8683-process-for-designing-and-implementing-biodiversity-net-gain/
- **Ref-2** CIEEM/CIRIA/IEMA (2016) Biodiversity Net Gain: Good practice principles for development.
- **Ref-3** Defra (2023) The Statutory Biodiversity Metric. Available online: https://www.gov.uk/government/publications/statutory-biodiversity-metric-tools-and-guides
- **Ref-4** UKHab Ltd (2023) UK Habitat Classification v2.0. Available online: https://ukhab.org/
- **Ref-5** Lincolnshire Biodiversity Partnership (2011) Lincolnshire Biodiversity Action Plan 2011-2020 (3rd edition). Lincolnshire Biodiversity Partnership, Horncastle. Available online: https://www.nelincs.gov.uk/wp-content/uploads/2016/02/201110-LincolnshireBAP-3rd-edition.pdf
- **Ref 6** A guide to assessing River Condition, part of the Rivers and Streams component of the Biodiversity net Gain Metric. Available online: chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://modularriversurvey.org/wp-content/uploads/A-GUIDE-TO-ASSESSING-RIVER-CONDITION-Jly2020.pdf

Appendix A – Figures

Application Document Ref: EN010149/APP/6.3
Planning Inspectorate Scheme Ref: EN010149

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LEGEND:

- Order Limits

UKHab Classification

- Cereal Crops
- Non-cereal Crops
- Temporary Grass and Clover Leys
- Winter Stubble
- Other Neutral Grassland
- Modified Grassland
- Mixed Scrub
- Ponds (Non-priority Habitat)
- Developed Land; Sealed Surface
- Artificial Unvegetated, Unsealed Surface
- Other Woodland; Mixed
- Other Woodland; Broadleaved
- Native Hedgerow
- Native Hedgerow - Associated with Bank or Ditch
- Native Hedgerow with Trees
- Native Hedgerow with Trees - Associated with Bank or Ditch
- Ditch
- Ecologically Valuable Line of Trees

Rev	Date	Description	Drn	Chk	App
01	NOV 2024	DCO SUBMISSION	RSK	RSK	EDF

Springwell Solar Farm

Springwell Solar Farm

DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3, APPENDIX 7.14: BIODIVERSITY NET GAIN ASSESSMENT
REGULATION 5(2)(a)

TITLE:
FIGURE 1 UKHAB HABITAT SURVEY, PAGE 1 OF 8

PINS REFERENCE NUMBER:
EN010149/APP/6.3

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LEGEND:

- Order Limits

UKHab Classification

- Cereal Crops
- Temporary Grass and Clover Leys
- Other Neutral Grassland
- Modified Grassland
- Vegetated Garden
- Developed Land; Sealed Surface
- Artificial Unvegetated, Unsealed Surface
- Lowland Mixed Deciduous Woodland
- Other Woodland; Mixed
- Native Hedgerow
- Native Hedgerow - Associated with Bank or Ditch
- Native Hedgerow with Trees
- Native Hedgerow with Trees - Associated with Bank or Ditch
- Species-rich Native Hedgerow with Trees
- Non-native and Ornamental Hedgerow
- Ditch

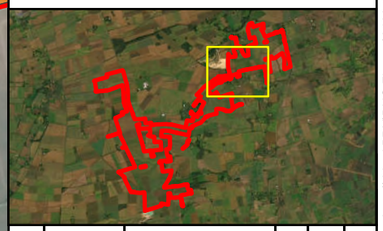

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FIGURE 1 UKHAB HABITAT SURVEY, PAGE 2 OF 8

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LEGEND:

- Order Limits

UKHab Classification

- Cereal Crops
- Non-cereal Crops
- Temporary Grass and Clover Leys
- Other Neutral Grassland
- Modified Grassland
- Ponds (Non-priority Habitat)
- Developed Land; Sealed Surface
- Other Woodland; Broadleaved
- Native Hedgerow
- Native Hedgerow - Associated with Bank or Ditch
- Native Hedgerow with Trees
- Native Hedgerow with Trees - Associated with Bank or Ditch
- Ditch
- Other Rivers and Streams

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REGULATION 5(2)(a)

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FIGURE 1 UKHAB HABITAT SURVEY, PAGE 3 OF 8

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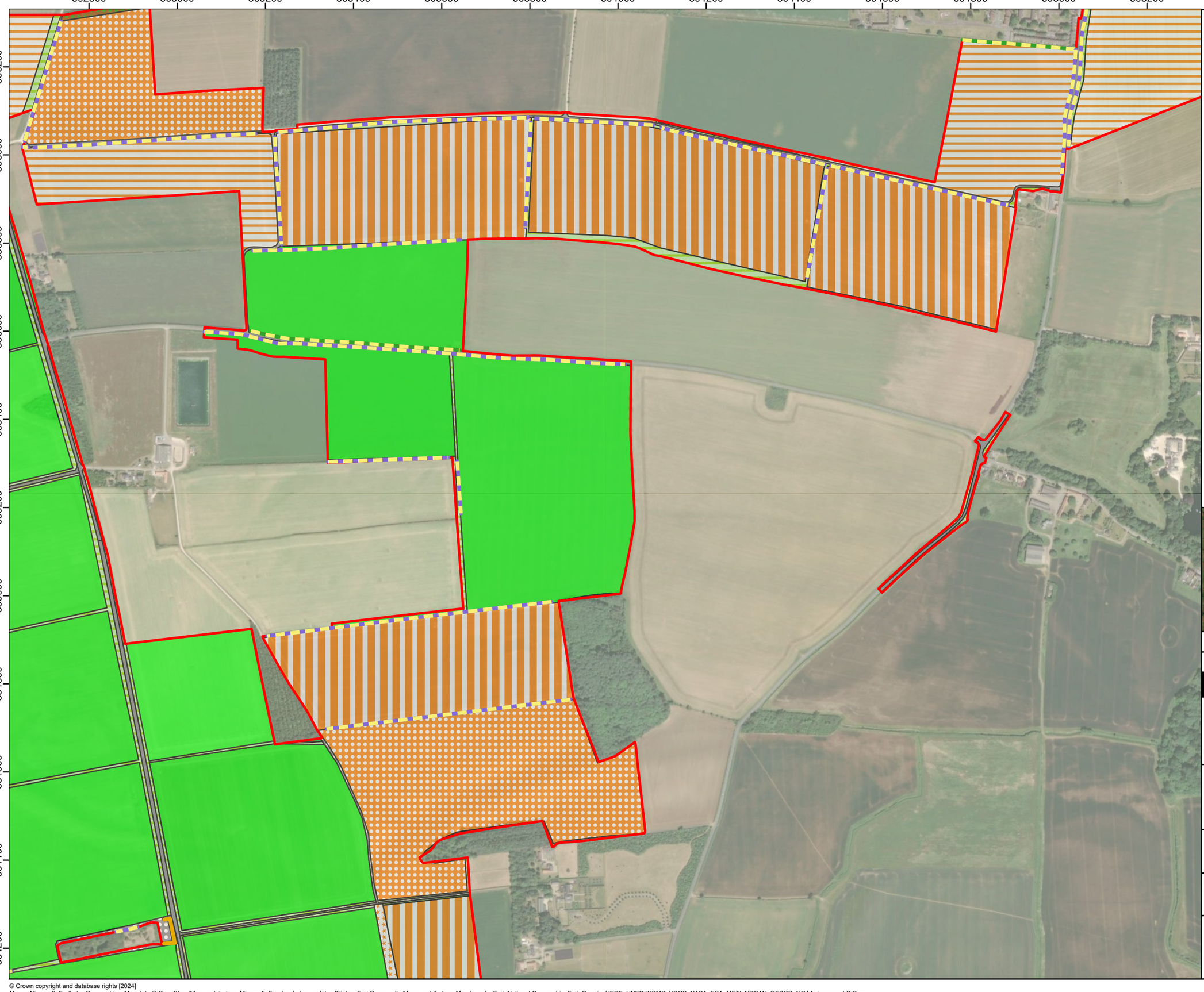
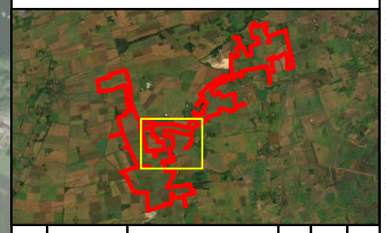


LEGEND:

- Order Limits

UKHab Classification

- Arable Field Margins Pollen and Nectar
- Cereal Crops
- Non-cereal Crops
- Temporary Grass and Clover Leys
- Other Neutral Grassland
- Lowland Calcareous Grassland
- Modified Grassland
- Developed Land; Sealed Surface
- Artificial Unvegetated, Unsealed Surface
- Other Woodland; Mixed
- Other Woodland; Broadleaved
- Other Coniferous Woodland
- Native Hedgerow
- Native Hedgerow with Trees
- Built Linear Features



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Springwell Solar Farm

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REGULATION 5(2)(a)

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FIGURE 1 UKHAB HABITAT SURVEY, PAGE 4 OF 8

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LEGEND:

- Order Limits
- No Access Area

UKHab Classification

- Cereal Crops
- Non-cereal Crops
- Temporary Grass and Clover Leys
- Other Neutral Grassland
- Lowland Calcareous Grassland
- Mixed Scrub
- Developed Land; Sealed Surface
- Native Hedgerow
- Native Hedgerow with Trees
- Line of Trees
- Ecologically Valuable Line of Trees
- Built Linear Features

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FIGURE 1 UKHAB HABITAT SURVEY, PAGE 5 OF 8

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LEGEND:

- Order Limits

UKHab Classification

- Cereal Crops
- Non-cereal Crops
- Temporary Grass and Clover Leys
- Other Neutral Grassland
- Lowland Calcareous Grassland
- Modified Grassland
- Mixed Scrub
- Developed Land; Sealed Surface
- Artificial Unvegetated, Unsealed Surface
- Other Woodland; Mixed
- Other Coniferous Woodland
- Native Hedgerow
- Native Hedgerow with Trees
- Line of Trees
- Ecologically Valuable Line of Trees
- Built Linear Features

Rev	Date	Description	Drn	Chk	App
01	NOV 2024	DCO SUBMISSION	RSK	RSK	EDF

Springwell Solar Farm

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TITLE:
FIGURE 1 UKHAB HABITAT SURVEY, PAGE 6 OF 8

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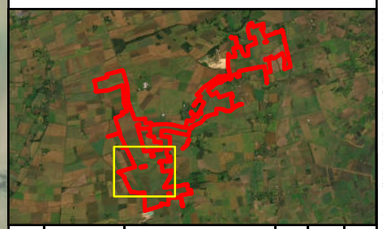
355000 354800 354600 354400 354200 354000 353800 353600 353400 353200 353000

LEGEND:

- Order Limits

UKHab Classification

- Arable Field Margins Pollen and Nectar
- Cereal Crops
- Non-cereal Crops
- Temporary Grass and Clover Leys
- Other Neutral Grassland
- Lowland Calcareous Grassland
- Other Calcareous Srassland
- Modified Grassland
- Developed Land; Sealed Surface
- Artificial Unvegetated, Unsealed Surface
- Lowland Mixed Deciduous Woodland
- Other Woodland; Mixed
- Other Woodland; Broadleaved
- Other Coniferous Woodland
- Native Hedgerow
- Native Hedgerow with Trees
- Line of Trees
- Built Linear Features



Rev	Date	Description	Drn	Chk	App
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Springwell Solar Farm

Springwell Solar Farm

DOCUMENT:
ENVIRONMENTAL STATEMENT
VOLUME 3, APPENDIX 7.14: BIODIVERSITY NET GAIN ASSESSMENT
REGULATION 5(2)(a)

TITLE:
FIGURE 1 UKHAB HABITAT SURVEY, PAGE 7 OF 8

PINS REFERENCE NUMBER:
EN010149/APP/6.3

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Metres
SCALE:1:8,000 @ A3

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LEGEND:

- Order Limits

UKHab Classification

- Arable Field Margins Pollen and Nectar
- Cereal Crops
- Temporary Grass and Clover Leys
- Other Neutral Grassland
- Lowland Calcareous Grassland
- Other Calcareous Srassland
- Modified Grassland
- Ponds (Non-priority Habitat)
- Developed Land; Sealed Surface
- Lowland Mixed Deciduous Woodland
- Other Woodland; Mixed
- Other Woodland; Broadleaved
- Native Hedgerow
- Native Hedgerow with Trees
- Ditch
- Line of Trees
- Ecologically Valuable Line of Trees
- Built Linear Features

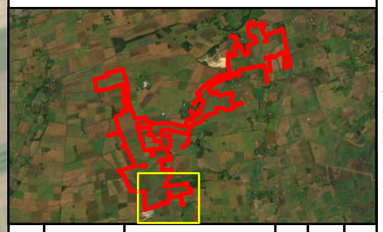

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FIGURE 1 UKHAB HABITAT SURVEY, PAGE 8 OF 8

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REV 01

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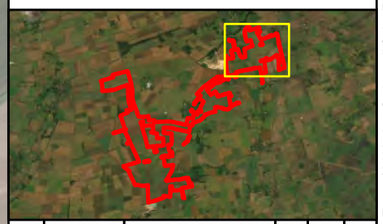
360600 360400 360200 360000 359800 359600 359400 359200 359000 358800 358600 358400

LEGEND:

- Order Limits
- Area of Vegetation Removal

Green Infrastructure (GI) Parameters

- Community Grow Area
- Green Infrastructure Margins
- Grassland Under Solar PV Modules
- Neutral Grassland (g3c)
- Area Outside GI Parameters Plan
- Strategic Planting (Hedgerow)



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REGULATION 5(2)(a)

TITLE:
FIGURE 2 GREEN INFRASTRUCTURE BNG PARAMETERS, PAGE 1 OF 8

PINS REFERENCE NUMBER:
EN010149/APP/6.3

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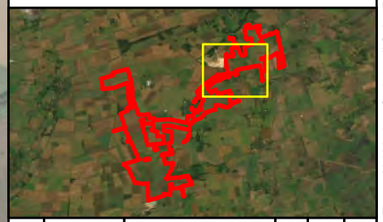
LEGEND:

- Order Limits
- Area of Vegetation Removal

Green Infrastructure (GI) Parameters

- Community Grow Area
- Green Infrastructure Margins
- Grassland Under Solar PV Modules
- Calcareous Grassland (g2a)
- Neutral Grassland (g3c)
- Area Outside GI Parameters Plan
- Strategic Planting (Hedgerow)



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VOLUME 3, APPENDIX 7.14: BIODIVERSITY NET GAIN ASSESSMENT
REGULATION 5(2)(a)

TITLE:
FIGURE 2 GREEN INFRASTRUCTURE BNG PARAMETERS, PAGE 2 OF 8

PINS REFERENCE NUMBER:
EN010149/APP/6.3

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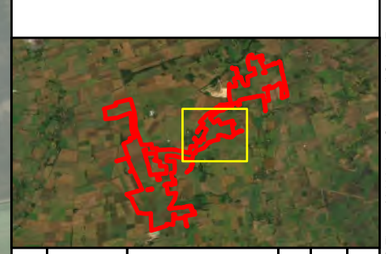
LEGEND:

- Order Limits
- Area of Vegetation Removal

Green Infrastructure (GI) Parameters

- Green Infrastructure Margins
- Grassland Under Solar PV Modules
- Strategic Planting (Tree Belt)
- Calcareous Grassland (g2a)
- Area Outside GI Parameters Plan
- Strategic Planting (Hedgerow)



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VOLUME 3, APPENDIX 7.14: BIODIVERSITY NET GAIN ASSESSMENT
REGULATION 5(2)(a)

TITLE:
FIGURE 2 GREEN INFRASTRUCTURE BNG PARAMETERS, PAGE 3 OF 8

PINS REFERENCE NUMBER:
EN010149/APP/6.3

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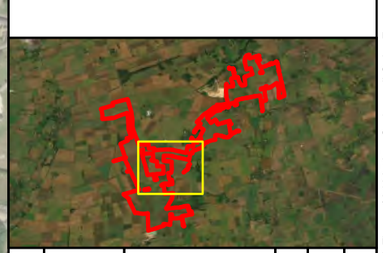
LEGEND:

- Order Limits
- Area of Vegetation Removal

Green Infrastructure (GI) Parameters

- Green Infrastructure Margins
- Grassland Under Solar PV Modules
- Strategic Planting (Tree Belt)
- Calcareous Grassland (g2a)
- Area Outside GI Parameters Plan
- Strategic Planting (Hedgerow)



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VOLUME 3, APPENDIX 7.14: BIODIVERSITY NET GAIN ASSESSMENT
REGULATION 5(2)(a)

TITLE:
FIGURE 2 GREEN INFRASTRUCTURE BNG PARAMETERS, PAGE 4 OF 8

PINS REFERENCE NUMBER:
EN010149/APP/6.3

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REV 01

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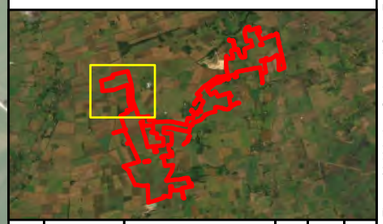
LEGEND:

- Order Limits
- Area of Vegetation Removal

Green Infrastructure (GI) Parameters

- Green Infrastructure Margins
- Strategic Planting (Tree Belt)
- Calcareous Grassland (g2a)
- Area Outside GI Parameters Plan
- Strategic Planting (Hedgerow)



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VOLUME 3, APPENDIX 7.14: BIODIVERSITY NET GAIN ASSESSMENT
REGULATION 5(2)(a)

TITLE:
FIGURE 2 GREEN INFRASTRUCTURE BNG PARAMETERS, PAGE 5 OF 8

PINS REFERENCE NUMBER:
EN010149/APP/6.3

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LEGEND:

- Order Limits
- Area of Vegetation Removal

Green Infrastructure (GI) Parameters

- Green Infrastructure Margins
- Grassland Under Solar PV Modules
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- Calcareous Grassland (g2a)
- Area Outside GI Parameters Plan
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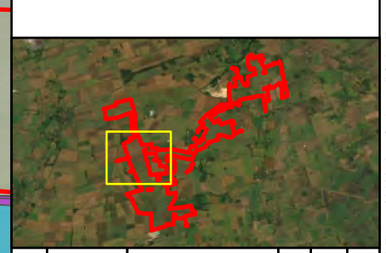

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VOLUME 3, APPENDIX 7.14: BIODIVERSITY NET GAIN ASSESSMENT
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TITLE:
FIGURE 2 GREEN INFRASTRUCTURE BNG PARAMETERS, PAGE 6 OF 8

PINS REFERENCE NUMBER:
EN010149/APP/6.3

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LEGEND:

- Order Limits
- Area of Vegetation Removal

Green Infrastructure (GI) Parameters

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- Grassland Under Solar PV Modules
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- Calcareous Grassland (g2a)
- Area Outside GI Parameters Plan
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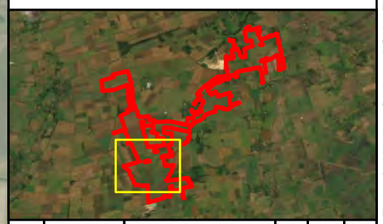

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EN010149/APP/6.3

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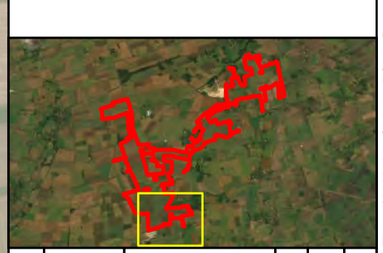
LEGEND:

- Order Limits
- Area of Vegetation Removal

Green Infrastructure (GI) Parameters

- Green Infrastructure Margins
- Grassland Under Solar PV Modules
- Strategic Planting (Tree Belt)
- Calcareous Grassland (g2a)
- Area Outside GI Parameters Plan
- Strategic Planting (Hedgerow)



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Appendix B – Condition Assessment

Application Document Ref: EN010149/APP/6.3
Planning Inspectorate Scheme Ref: EN010149

Appendix B – Condition Assessment[3]

Modified Grassland

Polygon ID	Location	Area (Ha)	Modified grassland condition	Criteria A: 6-8 species per m2 including at least 2 forbs (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Scrub <20%	Criteria D: Physical damage <5%	Criteria E: Bare ground 1-10%	Criteria F: Bracken <20%	Criteria G: Invasive non-native plant species absent
285	Central	6.77	Poor	N	N	Y	Y	Y	Y	Y
286	East	7.44	Poor	N	N	Y	Y	Y	Y	Y
292	Central	7.20	Good	Y	N	Y	Y	Y	Y	Y
293	Central	6.84	Poor	N	N	Y	Y	Y	Y	Y
294	Central	0.08	Poor	N	N	Y	Y	Y	Y	Y
299	West	7.59	Poor	N	N	Y	Y	Y	Y	Y
300	West	16.81	Poor	N	N	Y	Y	Y	Y	Y

[3] Criteria used by the Condition Assessment methodology in guidance produced by DEFRA for the statutory metric.

Polygon ID	Location	Area (Ha)	Modified grassland condition	Criteria A: 6-8 species per m2 including at least 2 forbs (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Scrub <20%	Criteria D: Physical damage <5%	Criteria E: Bare ground 1-10%	Criteria F: Bracken <20%	Criteria G: Invasive non-native plant species absent
301	West	25.53	Poor	N	N	Y	Y	Y	Y	Y
302	West	6.10	Poor	N	N	Y	Y	Y	Y	Y
303	West	10.48	Poor	N	N	Y	Y	Y	Y	Y
304	West	15.04	Poor	N	N	Y	Y	Y	Y	Y
305	West	20.79	Poor	N	N	Y	Y	Y	Y	Y
306	West	14.71	Poor	N	N	Y	Y	Y	Y	Y
307	West	24.60	Poor	N	N	Y	Y	Y	Y	Y
308	West	24.66	Poor	N	N	Y	Y	Y	Y	Y
309	West	24.01	Poor	N	N	Y	Y	Y	Y	Y
310	West	20.18	Poor	N	N	Y	Y	Y	Y	Y
311	West	21.02	Poor	N	N	Y	Y	Y	Y	Y

Polygon ID	Location	Area (Ha)	Modified grassland condition	Criteria A: 6-8 species per m2 including at least 2 forbs (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Scrub <20%	Criteria D: Physical damage <5%	Criteria E: Bare ground 1-10%	Criteria F: Bracken <20%	Criteria G: Invasive non-native plant species absent
312	West	21.07	Poor	N	N	Y	Y	Y	Y	Y
313	West	21.46	Poor	N	N	Y	Y	Y	Y	Y
314	West	30.87	Poor	N	N	Y	Y	Y	Y	Y
315	West	0.33	Poor	N	N	Y	Y	Y	Y	Y
316	West	21.32	Poor	N	N	Y	Y	Y	Y	Y
318	West	7.82	Poor	N	N	Y	Y	Y	Y	Y
319	West	11.16	Poor	N	N	Y	Y	Y	Y	Y
320	East	10.41	Poor	N	N	Y	Y	Y	Y	Y
321	East	12.02	Poor	N	N	Y	Y	Y	Y	Y
322	East	7.97	Poor	N	N	Y	Y	Y	Y	Y
325	East	6.31	Poor	N	N	Y	Y	Y	Y	Y

Polygon ID	Location	Area (Ha)	Modified grassland condition	Criteria A: 6-8 species per m2 including at least 2 forbs (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Scrub <20%	Criteria D: Physical damage <5%	Criteria E: Bare ground 1-10%	Criteria F: Bracken <20%	Criteria G: Invasive non-native plant species absent
326	East	15.37	Poor	N	N	Y	Y	Y	Y	Y
327	East	0.01	Poor	N	N	Y	Y	Y	Y	Y
328	East	6.70	Poor	N	N	Y	Y	Y	Y	Y
329	East	10.53	Poor	N	N	Y	Y	Y	Y	Y
335	East	0.08	Poor	N	N	Y	Y	Y	Y	Y
342	Central	6.79	Poor	N	N	Y	Y	Y	Y	Y
485	Central	0.73	Poor	N	N	Y	Y	Y	Y	Y
563	East	0.01	Poor	N	N	Y	Y	Y	Y	Y
564	East	0.04	Moderate	Y	N	Y	N	Y	Y	Y
568	Central	0.09	Poor	N	N	Y	Y	Y	Y	Y
569	Central	0.09	Poor	N	N	Y	Y	Y	Y	Y

Polygon ID	Location	Area (Ha)	Modified grassland condition	Criteria A: 6-8 species per m2 including at least 2 forbs (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Scrub <20%	Criteria D: Physical damage <5%	Criteria E: Bare ground 1-10%	Criteria F: Bracken <20%	Criteria G: Invasive non-native plant species absent
577	West	0.24	Poor	N	N	Y	Y	Y	Y	Y
588	Central	0.07	Poor	N	N	Y	Y	Y	Y	Y
589	Central	0.03	Poor	N	N	Y	Y	Y	Y	Y
590	Central	0.06	Poor	N	N	Y	Y	Y	Y	Y
591	Central	0.01	Poor	N	N	Y	Y	Y	Y	Y
592	Central	0.01	Poor	N	N	Y	Y	Y	Y	Y
594	Central	0.03	Poor	N	N	Y	Y	Y	Y	Y
706	East	0.04	Good	Y	N	Y	Y	Y	Y	Y
737	East	1.86	Good	Y	N	Y	Y	Y	Y	Y
783	East	0.01	Poor	N	N	Y	Y	Y	Y	Y
Total	-	**453.39**	-	-	-	-	-	-	-	-

Other Neutral Grassland

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
288	East	0.46	Moderate	Y	N	Y	Y	Y	Y
290	East	0.25	Moderate	Y	N	Y	Y	Y	Y
317	West	0.20	Moderate	Y	N	Y	Y	Y	Y
334	West	0.01	Poor	N	N	N	Y	N	N
336	East	0.03	Moderate	Y	N	Y	Y	Y	Y
337	East	0.14	Moderate	Y	N	Y	Y	Y	Y
409	West	0.37	Moderate	Y	N	Y	Y	Y	N
414	West	0.15	Moderate	Y	N	Y	Y	Y	N
425	West	0.01	Poor	N	N	Y	Y	Y	N
427	West	0.34	Poor	N	N	Y	Y	N	N
430	West	0.14	Poor	N	N	Y	Y	Y	N

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
431	West	0.13	Poor	N	N	Y	Y	Y	N
432	West	0.14	Poor	N	N	Y	Y	N	N
433	West	0.27	Poor	N	N	Y	Y	N	N
434	West	0.26	Poor	N	N	Y	Y	Y	N
435	West	0.12	Poor	N	N	Y	Y	N	N
439	West	0.08	Poor	N	N	Y	Y	N	N
440	West	0.07	Poor	N	N	Y	Y	N	N
441	West	0.08	Poor	N	N	Y	Y	N	N
442	West	0.25	Poor	N	N	Y	N	N	N
443	West	0.01	Poor	N	N	Y	Y	N	N
444	West	0.08	Poor	N	N	Y	Y	N	N

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
445	West	0.04	Poor	N	N	Y	Y	N	N
446	West	0.07	Poor	N	N	Y	Y	Y	N
447	West	0.12	Poor	N	N	Y	Y	N	N
448	West	0.05	Poor	N	N	Y	Y	N	N
449	West	0.39	Poor	N	N	Y	Y	Y	N
456	West	0.27	Moderate	Y	N	Y	N	Y	N
458	West	0.00	Poor	N	N	Y	N	Y	N
464	East	0.29	Moderate	Y	N	Y	Y	Y	N
465	East	0.87	Moderate	Y	N	Y	Y	Y	N
466	East	0.04	Poor	N	N	Y	Y	Y	N
468	East	0.01	Poor	N	N	N	Y	Y	N

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
469	East	0.64	Moderate	Y	Y	Y	Y	Y	N
470	East	1.84	Moderate	Y	N	Y	Y	Y	Y
471	East	0.22	Moderate	Y	Y	Y	Y	Y	N
472	East	0.47	Moderate	Y	N	Y	Y	Y	N
473	East	1.07	Good	Y	Y	Y	Y	Y	Y
474	East	0.37	Moderate	Y	N	Y	Y	Y	N
475	East	0.39	Moderate	Y	Y	Y	Y	Y	N
476	East	0.22	Moderate	Y	Y	Y	Y	Y	N
477	East	0.51	Moderate	Y	N	Y	Y	Y	N
478	East	0.21	Moderate	Y	N	Y	Y	Y	N
480	East	0.41	Moderate	Y	Y	Y	Y	Y	N

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
481	East	0.92	Moderate	Y	Y	Y	Y	Y	N
482	East	0.26	Moderate	Y	Y	Y	Y	Y	N
483	East	0.49	Good	Y	Y	Y	Y	Y	Y
484	East	0.06	Good	Y	Y	Y	Y	Y	Y
492	Central	0.21	Poor	N	N	N	Y	N	N
493	Central	0.33	Poor	N	N	N	Y	Y	N
494	Central	0.01	Moderate	Y	Y	Y	Y	Y	N
495	Central	0.14	Moderate	Y	N	Y	Y	Y	N
496	Central	0.15	Moderate	Y	N	Y	Y	Y	N
497	Central	1.44	Good	Y	Y	Y	Y	Y	Y
498	Central	1.90	Moderate	Y	N	Y	Y	Y	N

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
499	Central	0.30	Moderate	Y	Y	Y	Y	N	N
500	Central	0.18	Poor	Y	N	N	Y	N	N
501	Central	0.45	Moderate	Y	N	Y	Y	Y	N
505	Central	2.31	Moderate	Y	N	Y	Y	Y	Y
514	West	2.04	Moderate	Y	N	Y	Y	Y	N
518	West	1.78	Moderate	Y	N	Y	Y	Y	N
519	West	1.45	Moderate	Y	N	Y	Y	N	N
528	West	0.38	Moderate	Y	N	Y	Y	N	N
535	West	0.12	Moderate	Y	N	Y	Y	N	N
536	West	0.08	Moderate	Y	N	Y	Y	N	N
537	West	0.13	Moderate	Y	N	Y	Y	N	N

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
538	West	0.05	Moderate	Y	N	Y	Y	Y	N
544	West	0.14	Moderate	Y	N	Y	Y	Y	Y
547	East	0.15	Moderate	Y	Y	Y	Y	Y	N
549	East	0.45	Moderate	Y	Y	Y	Y	Y	N
553	East	0.33	Moderate	Y	N	N	Y	Y	N
554	East	0.27	Moderate	Y	N	Y	Y	Y	N
555	East	0.41	Moderate	Y	N	Y	Y	Y	N
556	East	0.19	Moderate	Y	N	Y	Y	N	N
559	East	0.15	Poor	N	N	N	Y	N	N
561	East	0.14	Moderate	Y	N	Y	Y	N	N
562	East	0.21	Moderate	Y	N	Y	Y	Y	N

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
565	East	0.13	Moderate	Y	N	Y	Y	Y	N
566	East	0.22	Moderate	Y	N	Y	Y	Y	N
567	East	0.17	Moderate	Y	N	Y	Y	Y	Y
570	East	0.59	Moderate	Y	N	Y	Y	Y	Y
574	West	0.01	Poor	N	N	N	Y	N	N
578	West	0.13	Moderate	Y	N	Y	Y	Y	N
579	West	0.11	Moderate	Y	N	Y	Y	Y	N
587	West	0.48	Moderate	Y	N	Y	Y	N	N
593	Central	0.21	Moderate	Y	N	Y	Y	Y	Y
595	Central	0.37	Moderate	Y	N	Y	Y	Y	Y
596	Central	0.21	Poor	N	N	N	Y	N	N

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
597	Central	0.44	Poor	N	N	N	Y	N	N
598	Central	0.03	Moderate	Y	N	Y	Y	Y	Y
599	Central	0.04	Moderate	Y	N	Y	Y	Y	Y
600	Central	0.15	Moderate	Y	N	Y	Y	Y	Y
601	Central	0.13	Moderate	Y	N	Y	Y	Y	Y
690	West	0.10	Moderate	Y	N	Y	Y	Y	Y
691	West	0.07	Moderate	Y	N	Y	Y	N	N
692	Central	0.09	Poor	N	N	N	Y	N	N
693	West	0.31	Good	Y	Y	Y	Y	Y	Y
694	West	0.13	Moderate	Y	N	Y	Y	Y	N
695	East	0.39	Moderate	Y	N	Y	Y	N	N

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
698	East	0.03	Poor	Y	N	N	Y	N	N
704	East	0.05	Moderate	Y	N	Y	Y	N	Y
705	East	0.02	Poor	N	N	Y	Y	N	N
709	Central	0.00	Poor	N	N	Y	Y	N	N
710	Central	0.18	Good	Y	Y	Y	Y	Y	Y
711	Central	0.06	Moderate	Y	N	Y	Y	Y	Y
712	Central	0.13	Good	Y	Y	Y	Y	Y	Y
734	West	0.07	Moderate	Y	N	Y	Y	Y	N
736	West	0.08	Moderate	Y	N	Y	Y	Y	Y
767	West	1.54	Moderate	Y	N	Y	Y	Y	Y
770	West	0.94	Moderate	Y	N	Y	Y	Y	Y

Polygon ID	Location	Area (Ha)	Other neutral grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
771	West	0.04	Moderate	Y	N	Y	Y	N	N
776	West	0.22	Moderate	Y	N	Y	Y	Y	Y
Total	**-**	**37.61**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Lowland Calcareous Grassland

Polygon ID	Location	Area (Ha)	Lowland calcareous grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
341	West	0.02	Moderate	Y	N	Y	Y	Y	N
384	West	5.24	Moderate	Y	N	Y	Y	Y	Y
411	West	0.42	Moderate	Y	N	Y	Y	N	N
412	West	0.41	Moderate	Y	N	Y	Y	N	N
422	West	0.40	Moderate	Y	N	Y	Y	Y	N
423	West	0.26	Moderate	Y	N	Y	Y	Y	N
424	West	0.45	Moderate	Y	N	Y	Y	Y	N
428	West	0.14	Moderate	Y	N	Y	Y	Y	N
429	West	0.27	Moderate	Y	N	Y	Y	Y	N
436	West	0.70	Moderate	Y	N	Y	Y	Y	N

Polygon ID	Location	Area (Ha)	Lowland calcareous grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
437	West	1.04	Moderate	Y	N	Y	Y	Y	N
457	West	0.33	Moderate	Y	N	Y	Y	Y	N
527	West	0.56	Moderate	Y	N	Y	Y	Y	Y
573	West	0.18	Moderate	Y	N	Y	Y	N	N
575	West	0.28	Moderate	Y	N	Y	Y	N	N
576	West	0.64	Poor	N	N	Y	Y	N	N
765	West	0.62	Moderate	Y	N	Y	Y	N	N
769	West	0.06	Moderate	Y	N	Y	Y	N	N
772	West	0.79	Moderate	Y	N	Y	Y	N	N
788	West	0.34	Moderate	Y	N	Y	Y	N	N
789	West	0.40	Moderate	Y	N	Y	Y	N	N

Polygon ID	Location	Area (Ha)	Lowland calcareous grassland condition	Criteria A: Represent a good example of habitat with high proportion of indicators (essential for achieving good/moderate)	Criteria B: Sward height is varied	Criteria C: Bare ground 1-5%	Criteria D: Bracken <20% and scrub <5%	Criteria E: Sub optimal species cover and damaged ground <5%	Criteria F: >10 species per m^2 (essential for achieving good)
790	West	0.70	Moderate	Y	N	Y	Y	N	N
934	West	0.00	Moderate	Y	N	Y	Y	N	N
936	West	0.01	Moderate	Y	N	Y	Y	N	N
Total	-	**14.25**	**-**	-	-	-	-	-	-

Mixed Scrub

Polygon ID	Location	Area (Ha)	Mixed scrub condition	Criteria A: The scrub is a good representation of the habitat type.	Criteria B: Seedlings, saplings, young shrubs and mature (or ancient or veteran) shrubs are all present	Criteria C: Invasive non-native plant species absent, sub-optimal species <5%	Criteria D: The scrub has a well-developed edge	Criteria E: There are clearings, glades or rides present within the scrub
130	East	0.00	Moderate	Y	N	Y	Y	N
131	East	0.02	Poor	Y	N	Y	N	N
132	West	0.03	Poor	N	N	Y	N	N
133	West	0.04	Moderate	Y	N	Y	Y	N
426	West	0.00	Moderate	Y	N	Y	Y	N
438	West	0.03	Poor	Y	N	Y	N	N
552	East	0.16	Moderate	Y	Y	Y	Y	N
Total	-	**0.28**	-	-	-	-	-	-

Ponds (Non-priority Habitat)

Polygon ID	Location	Area (Ha)	Pond condition	Criteria A: The pond is of good water quality, with clear water (low turbidity)	Criteria B: here is semi-natural habitat (moderate distinctiveness or above) surrounding the pond	Criteria C: <10% of the water surface is covered with duckweed or algae	Criteria D: No artificial connection to other waterbodies	Criteria E: Water levels can fluctuate naturally	Criteria F: Invasive non-native plant and animal species absent	Criteria G: Pond is not artificially stocked with fish
140	East	0.01	Moderate	Y	Y	N	Y	Y	Y	Y
148	East	0.01	Poor	Y	N	N	N	N	Y	Y
149	East	0.01	Moderate	Y	Y	Y	N	N	Y	Y
386	West	0.02	Poor	Y	N	N	N	N	Y	Y
950	East	0.04	Moderate	Y	N	Y	N	Y	Y	Y
953	Central	0.01	Good	Y	Y	Y	Y	Y	Y	Y
Total	-	**0.1**	-	-	-	-	-	-	-	-

Lowland Mixed Deciduous Woodland (LMDW)

Polygon ID	Location	Area (ha)	LMDW condition	Condition Criteria Score													Total woodland condition score
				A - Age distribution	B – Herbivore damage	C - INNS	D – No. native trees	E – Cover of native trees and shrubs	F – Open space	G - Regen	H - Health	I – Ground flora	J - Structure	K – Veteran Trees	L - deadwood	M - Distribution	
359	Central	1.19	Good	3	3	3	3	3	2	3	3	3	3	2	2	2	35
392	West	0.06	Moderate	2	3	3	2	3	1	1	3	2	2	1	1	3	27
730	West	0.22	Good	3	3	3	3	3	1	2	3	3	3	2	2	3	34
Total	-	**1.48**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Other Woodland

Polygon ID	Location	Area (ha)	LMDW condition	Condition Criteria Score													Total woodland condition score
				A - Age distribution	B – Herbivore damage	C - INNS	D – No. native trees	E – Cover of native trees and shrubs	F – Open space	G - Regen	H - Health	I – Ground flora	J - Structure	K – Veteran Trees	L - deadwood	M - Distribution	
343	East	0.09	Poor	1	3	3	1	3	1	1	3	1	1	1	1	3	23
344	East	0.37	Moderate	2	2	3	2	3	1	2	3	2	2	1	1	3	27
347	Central	0.04	Poor	2	3	3	2	3	1	1	3	1	1	1	1	3	25
348	West	0.08	Moderate	2	2	3	2	3	2	2	2	2	2	2	1	3	28
352	West	0.03	Poor	1	3	3	1	1	1	1	3	1	1	1	1	3	21
357	Central	0.12	Moderate	2	2	3	2	3	1	2	3	2	2	2	2	3	29
358	Central	0.15	Moderate	2	3	3	2	3	1	2	3	2	2	1	2	3	29
360	East	0.11	Poor	1	3	3	1	1	1	1	3	1	1	1	1	3	21

Polygon ID	Location	Area (ha)	LMDW condition	Condition Criteria Score													Total woodland condition score
				A - Age distribution	B – Herbivore damage	C - INNS	D – No. native trees	E – Cover of native trees and shrubs	F – Open space	G - Regen	H - Health	I – Ground flora	J - Structure	K – Veteran Trees	L - deadwood	M - Distribution	
363	East	1.23	Moderate	2	2	3	3	3	1	2	3	3	2	2	2	3	31
364	East	0.13	Moderate	2	2	3	2	3	2	2	3	2	2	1	2	3	29
365	East	0.15	Moderate	2	2	3	2	3	1	2	3	2	2	1	1	3	27
368	East	0.07	Moderate	2	2	3	2	3	1	2	2	2	2	1	1	3	26
369	East	0.08	Poor	2	2	3	2	3	1	1	3	2	1	1	1	3	25
370	East	0.10	Moderate	2	2	3	2	3	1	2	3	2	2	1	1	3	27
372	West	0.12	Moderate	2	2	3	2	3	1	2	3	2	2	1	2	3	28
390	West	0.57	Moderate	2	2	3	3	3	1	2	2	2	2	1	1	3	27
391	West	0.10	Moderate	2	3	3	2	3	2	2	3	2	2	1	1	3	29

Polygon ID	Location	Area (ha)	LMDW condition	Condition Criteria Score													Total woodland condition score
				A - Age distribution	B – Herbivore damage	C - INNS	D – No. native trees	E – Cover of native trees and shrubs	F – Open space	G - Regen	H - Health	I – Ground flora	J - Structure	K – Veteran Trees	L - deadwood	M - Distribution	
405	West	0.28	Poor	1	3	3	2	3	2	1	2	1	1	2	1	3	25
548	East	0.14	Moderate	2	3	3	1	3	1	2	3	1	2	2	1	3	27
550	East	0.52	Moderate	2	2	3	2	3	2	2	3	2	2	1	2	3	29
551	East	2.58	Moderate	2	3	3	2	3	3	2	3	2	2	1	1	3	30
952	Central	0.19	Moderate	2	3	3	2	2	3	2	3	1	2	1	1	2	27
Total	-	**7.28**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Native hedgerow

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	Total hedgerow condition score
2	West	0.16	Poor	N	N	Y	Y	N	N	Y	N	3
3	West	0.16	Poor	N	N	Y	Y	N	N	Y	N	3
10	West	0.01	Poor	N	N	N	N	N	Y	Y	N	2
11	West	0.22	Poor	N	N	Y	Y	N	N	Y	N	3
12	West	0.19	Poor	N	N	Y	Y	N	N	Y	N	3
20	West	0.50	Poor	N	N	Y	N	N	N	Y	N	2
21	West	0.01	Poor	N	N	N	N	N	N	Y	N	1
22	West	0.28	Poor	N	N	Y	Y	N	N	N	N	2
26	West	0.55	Moderate	N	Y	Y	Y	Y	N	Y	N	5
28	West	0.31	Moderate	N	Y	N	Y	Y	N	Y	N	4

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	Total hedgerow condition score
30	West	0.30	Moderate	N	Y	Y	Y	N	N	Y	N	4
31	West	0.33	Poor	N	N	N	Y	N	N	Y	N	2
34	West	0.15	Moderate	N	Y	Y	Y	N	N	Y	N	4
41	West	0.45	Moderate	N	N	Y	Y	Y	N	Y	N	4
83	West	0.19	Good	Y	Y	N	Y	Y	N	Y	Y	6
86	Central	0.38	Moderate	Y	Y	Y	Y	N	N	Y	N	5
87	Central	0.27	Moderate	Y	Y	Y	Y	N	N	Y	N	5
88	Central	0.25	Moderate	Y	Y	Y	N	Y	N	Y	N	5
89	West	0.24	Moderate	Y	Y	Y	N	Y	N	Y	N	5
92	Central	0.41	Moderate	N	Y	Y	Y	N	N	Y	N	4
96	West	0.40	Moderate	N	Y	Y	Y	Y	N	Y	N	5

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	Total hedgerow condition score
97	West	0.51	Moderate	N	Y	Y	Y	Y	N	Y	N	5
99	West	0.28	Poor	N	N	Y	Y	N	N	Y	N	3
100	West	0.02	Poor	N	N	Y	Y	N	N	Y	N	3
101	West	0.40	Poor	N	N	N	N	Y	N	Y	N	2
106	East	0.23	Good	Y	Y	Y	Y	Y	N	Y	Y	7
107	East	0.17	Good	Y	Y	Y	Y	Y	N	Y	Y	7
108	West	0.05	Poor	N	N	Y	Y	N	N	Y	N	3
109	West	0.06	Moderate	N	Y	N	Y	Y	N	Y	N	4
110	West	0.30	Moderate	N	Y	Y	Y	Y	N	Y	N	5
111	West	0.19	Moderate	Y	Y	Y	N	Y	N	Y	N	5
114	Central	0.40	Good	Y	Y	Y	Y	Y	N	Y	N	6

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	Total hedgerow condition score
116	Central	0.19	Moderate	N	Y	Y	Y	Y	N	Y	N	5
117	Central	0.23	Moderate	N	Y	Y	N	Y	N	Y	N	4
118	Central	0.15	Poor	N	N	Y	N	N	N	Y	N	2
119	Central	0.46	Good	Y	Y	Y	Y	Y	N	Y	N	6
120	East	0.12	Good	Y	Y	Y	Y	Y	N	Y	N	6
123	Central	1.45	Poor	N	N	Y	Y	N	N	Y	N	3
124	Central	0.21	Good	Y	Y	Y	Y	Y	N	Y	N	6
127	Central	0.11	Moderate	N	Y	Y	N	Y	N	Y	N	4
128	East	0.22	Good	Y	Y	Y	Y	Y	N	Y	Y	7
129	Central	0.33	Good	Y	Y	Y	Y	Y	N	Y	Y	7
131	West	0.24	Poor	N	N	N	Y	Y	N	Y	N	3

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	Total hedgerow condition score
132	West	0.30	Good	Y	Y	Y	Y	Y	N	Y	Y	7
133	West	0.26	Good	Y	Y	Y	Y	Y	N	Y	Y	7
134	West	0.82	Good	N	Y	Y	Y	Y	N	Y	Y	6
135	West	0.54	Moderate	N	Y	Y	Y	Y	N	Y	N	5
136	West	0.13	Moderate	N	N	Y	Y	Y	N	Y	N	4
137	West	0.05	Poor	N	N	N	Y	Y	N	Y	N	3
139	West	0.56	Good	Y	Y	Y	Y	Y	N	Y	Y	7
140	West	0.65	Good	Y	Y	N	Y	Y	N	Y	Y	6
142	West	0.27	Good	Y	Y	Y	Y	Y	N	Y	N	6
143	West	0.12	Good	Y	Y	Y	Y	Y	N	Y	N	6
144	West	0.96	Poor	N	N	Y	N	N	N	Y	N	2

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	Total hedgerow condition score
145	West	0.30	Moderate	N	Y	Y	Y	N	N	Y	N	4
148	West	0.47	Poor	N	N	N	Y	Y	N	Y	N	3
149	West	0.24	Moderate	Y	Y	N	Y	N	N	Y	Y	5
153	Central	0.21	Moderate	Y	N	Y	N	N	N	Y	Y	4
161	East	0.19	Good	Y	Y	Y	Y	Y	N	Y	N	6
162	East	0.04	Moderate	Y	Y	Y	Y	N	N	Y	N	5
169	Central	0.19	Good	Y	Y	Y	Y	Y	N	Y	Y	7
171	West	0.17	Moderate	Y	Y	Y	Y	N	N	Y	N	5
174	West	0.91	Poor	N	N	Y	Y	N	N	Y	N	3
194	Central	0.15	Good	Y	Y	Y	Y	Y	N	Y	Y	7
202	Central	0.29	Good	Y	Y	Y	Y	Y	N	Y	Y	7

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	Total hedgerow condition score
224	Central	0.19	Poor	N	N	Y	Y	N	N	Y	N	3
225	Central	0.06	Moderate	N	N	Y	Y	Y	N	Y	N	4
234	West	0.21	Moderate	Y	Y	Y	Y	N	N	Y	Y	6
248	West	0.55	Moderate	N	Y	Y	Y	Y	N	Y	N	5
249	West	0.31	Moderate	N	N	Y	Y	Y	N	Y	N	4
251	West	0.33	Poor	N	N	Y	Y	N	N	Y	N	3
310	West	0.57	Poor	N	N	N	N	N	N	Y	N	1
316	East	0.02	Moderate	Y	Y	Y	Y	N	N	Y	Y	6
320	East	0.33	Good	Y	Y	Y	Y	Y	Y	Y	Y	8
324	East	0.10	Good	Y	Y	Y	Y	Y	Y	Y	Y	8
329	East	0.22	Good	Y	Y	Y	Y	Y	Y	Y	Y	8

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	Total hedgerow condition score
338	East	0.04	Good	Y	Y	Y	Y	Y	Y	Y	Y	8
343	Central	0.08	Good	Y	Y	Y	Y	Y	Y	Y	Y	8
344	Central	0.13	Good	Y	Y	Y	Y	Y	Y	Y	Y	8
347	Central	0.09	Good	Y	Y	Y	Y	Y	Y	Y	Y	8
348	Central	0.45	Moderate	N	Y	Y	Y	N	Y	Y	N	5
349	Central	0.28	Moderate	N	Y	Y	Y	N	Y	Y	N	5
352	West	0.02	Good	Y	Y	Y	Y	Y	Y	Y	Y	8
354	West	0.18	Good	Y	Y	N	Y	Y	Y	Y	Y	7
359	East	0.07	Good	Y	Y	Y	Y	Y	Y	Y	Y	8
Total	-	**24.11**	-	-	-	-	-	-	-	-	-	-

Native hedgerow - associated with a bank or ditch

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	Total hedgerow condition score
91	East	0.18	Good	Y	Y	Y	Y	Y	N	Y	Y	7
160	East	0.38	Good	Y	Y	Y	Y	Y	N	Y	Y	7
164	Central	0.27	Moderate	Y	Y	Y	Y	N	N	Y	N	5
313	Central	0.54	Good	Y	Y	Y	Y	Y	N	Y	N	6
Total	-	**1.37**	-	-	-	-	-	-	-	-	-	-

Native hedgerow with trees

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
4	West	0.76	Poor	N	N	Y	Y	N	N	Y	Y	N	N	4
5	West	0.67	Moderate	N	N	Y	Y	Y	N	Y	N	Y	N	5
6	West	0.17	Moderate	Y	Y	Y	Y	N	N	Y	Y	Y	Y	8
7	West	0.26	Moderate	Y	Y	Y	Y	N	N	Y	Y	Y	Y	8
8	West	0.28	Moderate	Y	Y	Y	Y	N	N	Y	N	Y	Y	7
9	West	0.74	Moderate	Y	Y	Y	Y	N	N	Y	Y	Y	Y	8
14	West	0.23	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
15	West	0.02	Moderate	Y	Y	Y	Y	N	N	Y	Y	Y	Y	8
35	West	0.26	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
39	West	0.33	Good	Y	Y	Y	Y	Y	N	Y	N	N	Y	7

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
49	West	0.70	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
52	West	0.52	Good	Y	Y	Y	N	Y	N	Y	Y	Y	Y	8
85	Central	0.26	Good	N	Y	Y	Y	Y	N	Y	Y	Y	Y	8
115	Central	0.15	Good	Y	Y	Y	Y	Y	N	Y	N	N	Y	7
138	West	0.16	Moderate	N	N	Y	Y	N	N	Y	N	N	N	3
147	West	0.48	Poor	N	N	Y	Y	N	N	Y	N	N	Y	4
156	East	0.30	Good	Y	Y	Y	Y	Y	N	Y	Y	N	Y	8
166	East	0.59	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
167	West	1.07	Poor	N	N	Y	Y	N	N	Y	N	Y	Y	5
168	East	0.59	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
170	West	0.79	Moderate	Y	N	Y	Y	N	N	Y	N	N	Y	5

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
172	West	1.13	Poor	N	N	Y	Y	N	N	Y	N	Y	Y	5
173	West	0.44	Poor	N	N	Y	Y	N	N	Y	N	Y	Y	5
175	West	0.27	Good	Y	Y	Y	Y	Y	N	Y	N	Y	Y	8
176	East	0.58	Moderate	Y	Y	Y	Y	N	N	Y	N	Y	Y	7
179	East	0.27	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
185	East	0.13	Poor	N	N	Y	Y	N	N	Y	N	Y	Y	5
186	East	0.45	Good	Y	Y	Y	Y	Y	N	Y	N	Y	Y	8
188	East	0.51	Moderate	N	Y	Y	Y	N	N	Y	N	Y	Y	6
190	East	0.20	Moderate	Y	Y	Y	Y	N	N	Y	Y	Y	Y	8
203	Central	0.37	Moderate	Y	Y	Y	Y	N	N	Y	Y	Y	Y	8
204	Central	0.17	Good	Y	Y	Y	Y	Y	N	Y	N	Y	Y	8

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
205	Central	0.25	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
207	Central	0.54	Poor	N	N	Y	Y	N	N	Y	N	Y	Y	5
208	Central	0.30	Moderate	Y	Y	Y	Y	N	N	Y	N	Y	Y	7
209	East	0.33	Good	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	9
210	East	0.20	Moderate	Y	Y	Y	Y	N	N	Y	Y	Y	Y	8
211	East	0.49	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
214	Central	0.37	Good	Y	Y	Y	Y	Y	N	Y	N	Y	Y	8
215	East	0.11	Moderate	N	Y	Y	Y	N	N	Y	Y	Y	Y	7
216	East	0.18	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
217	East	0.56	Good	Y	Y	Y	Y	N	Y	Y	N	Y	Y	8
218	East	0.38	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
222	West	0.68	Poor	N	N	Y	N	Y	N	Y	N	Y	Y	5
232	East	0.53	Good	Y	Y	Y	Y	Y	N	Y	N	Y	Y	8
235	East	0.39	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
238	Central	0.14	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
239	East	0.26	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
240	East	0.34	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
245	West	0.70	Moderate	Y	Y	Y	Y	N	N	Y	Y	Y	Y	8
246	West	0.64	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
247	West	0.52	Moderate	N	N	Y	Y	Y	N	Y	N	Y	Y	6
250	West	0.30	Poor	N	N	Y	N	N	N	Y	N	Y	Y	4
254	West	0.26	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
256	West	0.33	Good	Y	Y	Y	Y	Y	N	Y	N	Y	Y	8
308	West	0.58	Poor	Y	Y	Y	Y	N	N	N	N	Y	Y	6
309	West	0.58	Moderate	Y	Y	Y	Y	N	N	N	Y	N	Y	6
311	East	0.44	Moderate	Y	Y	Y	Y	N	N	Y	N	Y	Y	7
312	East	0.66	Poor	N	N	Y	Y	N	N	Y	N	Y	Y	5
314	East	0.44	Moderate	Y	Y	Y	Y	N	N	Y	Y	Y	Y	8
315	East	0.53	Moderate	Y	N	Y	Y	N	N	Y	N	Y	Y	6
318	East	0.31	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
321	East	0.28	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
325	East	0.29	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
326	East	0.15	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
327	East	0.52	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
328	East	0.28	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
330	East	0.30	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
331	East	0.97	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
332	East	0.97	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
333	East	0.20	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
334	East	0.10	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
335	East	0.09	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
336	East	0.08	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
337	East	0.28	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
339	Central	0.05	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
341	East	0.09	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
342	East	0.04	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
345	Central	0.22	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
346	Central	0.12	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
350	West	0.23	Moderate	Y	Y	N	N	Y	N	Y	Y	Y	Y	7
351	West	0.15	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
353	West	0.12	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
357	East	0.42	Good	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	9
358	East	0.28	Good	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	9
Total	-	**32.4**	-	-	-	-	-	-	-	-	-	-	-	-

Native hedgerow with trees – associated with a bank or ditch

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
112	East	0.31	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
192	Central	0.73	Moderate	Y	Y	Y	Y	N	N	Y	N	Y	Y	7
193	Central	0.48	Moderate	Y	Y	Y	N	Y	N	Y	N	Y	Y	7
201	Central	0.37	Good	Y	Y	Y	Y	Y	N	Y	N	Y	Y	8
228	East	0.27	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
229	East	0.28	Moderate	Y	Y	Y	Y	Y	N	Y	Y	Y	N	8
241	East	0.32	Good	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	9
319	East	0.27	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
322	East	0.52	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10
323	East	0.36	Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
Total	-	**3.91**	-	-	-	-	-	-	-	-	-	-	-	-

Species-rich native hedgerow with trees

Line ID	Location	Length (Km)	Hedgerow condition	A1: Height >1.5m	A2: Width >1.5m	B1: Gap – hedge base <0.5m	B2: Gaps <10% of length	C1: >1m undisturbed ground	C2: Nutrient enriched veg <20%	D1: INNS <10%	D2: <10% damage	E1: >1 tree age class	E2: 95% trees healthy	Total hedgerow condition score
154	East	0.08	Moderate	Y	Y	Y	Y	N	N	Y	Y	N	Y	7
Total	-	**0.08**	-	-	-	-	-	-	-	-	-	-	-	-

Line of trees

Line ID	Location	Length (Km)	Line of trees condition	Criteria A: At least 70% trees native	Criteria B: Canopy is predominately continuous	Criteria C: >1 tree has veteran features	Criteria D: Undisturbed vegetation 6m on both sides	Criteria E: 95% of trees in healthy condition
24	West	0.02	Moderate	Y	Y	N	N	Y
33	West	0.15	Moderate	Y	Y	Y	N	Y
Total	**-**	**0.17**	**-**	**-**	**-**	**-**	**-**	**-**

Ecologically valuable line of trees

Line ID	Location	Length (Km)	Line of trees condition	Criteria A: At least 70% trees native	Criteria B: Canopy is predominately continuous	Criteria C: >1 tree has veteran features	Criteria D: Undisturbed vegetation 6m on both sides	Criteria E: 95% of trees in healthy condition
1	West	0.04	Moderate	Y	Y	Y	N	Y
36	West	0.22	Moderate	Y	N	Y	N	Y
307	East	0.11	Moderate	Y	Y	Y	N	Y
Total	-	**0.37**	-	-	-	-	-	-

Ditches

Line ID	Location	Length (Km)	Ditch condition	Criteria A: Good water quality	Criteria B: >10 plant species present	Criteria C: <10% cover of algae or Duckweed	Criteria D: >75% aquatic marginal vegetation	Criteria E: <5% physical damage	Criteria F: Sufficient water level	Criteria G: <10% ditch heavily shaded	Criteria F: No INNS
38	West	0.01	Poor	Y	N	Y	N	Y	N	Y	Y
42	West	0.06	Poor	Y	N	Y	N	Y	Y	N	Y
282	East	0.24	Poor	N	N	N	N	Y	N	Y	Y
Total	-	**0.3**	-	-	-	-	-	-	-	-	-

Appendix C – River Condition Assessment

Application Document Ref: EN010149/APP/6.3
Planning Inspectorate Scheme Ref: EN010149

Appendix C – River Condition Assessment

Table 1 Tributary of Dorrington Dyke RCA MoRPh5 field survey results

MoRPh 5 Grid Reference		TF 05950 56746	TF 06448 56718	TF 06512 56694	TF 06759 56738	TF 06890 56843	TF 07101 56955	TF 07173 56971
River Name		Tributary of Dorrington Dyke	Tributary of Dorrington Dyke	Tributary of Dorrington Dyke	Tributary of Dorrington Drain	Tributary of Dorrington Drain	Tributary of Dorrington Drain	Tributary of Dorrington Drain
Reach Name		Scopwick reach	Scopwick reach	Scopwick reach	Scopwick reach	Scopwick reach	Scopwick reach	Scopwick reach
Subreach Name		A	B	C	D	E	F	G
Survey Type		pre-project	pre-project	pre-project	pre-project	pre-project	pre-project	pre-project
Module Numbers		1 to 5	1 to 5	1 to 5	1 to 5	1 to 5	1 to 5	1 to 5
Preliminary Condition Score		0.6963563	1.319838	1.0121458	1.5303644	1.5303644	1.4291497	1.3724697
shape		0.5842096	0.84302324	0.8684654	0.47907823	0.55788004	0.9722222	1.2997904
Average Width		0.7	0.87	1.03	0.79	0.8	1.05	1.24
Positive Index Average		1.1578947	1.4736842	1.4736842	1.6842105	1.6842105	1.7368422	1.5263158
Negative Index Average		-0.46153846	-0.15384616	-0.46153846	-0.15384616	-0.15384616	-0.30769232	-0.15384616
Bedrock reach	A6	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Coarsest bed material size class	A7	Gravel/ Pebble	Silt	Gravel/ Pebble	Gravel/ Pebble	Gravel/ Pebble	Silt	Silt
Average bed material size class	A8	Silt	Silt	Silt	Gravel/ Pebble	Silt	Silt	Silt
Bank top vegetation structure	B1	1	2	1	2	2	2	2
Bank top tree feature richness	B2	0	0	0	1	2	0	2
Bank top water-related features	B3	0	2	0	0	2	0	0
Bank top NNIPS cover	B4	0	0	0	0	0	0	0
Bank top managed ground cover	B5	-3	-2	-3	-2	-2	-3	-2

Bank face riparian vegetation structure	C 1	2	3	3	3	3	3	3
Bank face tree feature richness	C 2	1	1	1	1	2	1	2
Bank face natural bank profile extent	C 3	2	3	1	3	3	3	1
Bank face natural bank profile richness	C 4	2	2	2	2	2	2	1
Bank face natural bank material richness	C 5	1	1	1	1	1	1	1
Bank face bare sediment extent	C 6	3	4	4	3	2	4	4
Bank face artificial bank profile extent	C 7	-3	0	0	0	0	0	0
Bank face reinforcement extent	C 8	0	0	0	0	0	0	0
Bank face reinforcement material severity	C 9	0	0	0	0	0	0	0
Bank face NNIPS cover	C 10	0	0	0	0	0	0	0
Channel margin aquatic vegetation extent	D 1	2	2	3	2	1	2	3
Channel margin aquatic morphotype richness	D 2	2	1	2	1	0	2	2
Channel margin physical feature extent	D 3	0	1	1	1	2	2	1
Channel margin physical feature richness	D 4	0	1	1	2	1	2	1
Channel margin artificial features	D 5	0	0	-1	0	0	0	0
Channel aquatic morphotype richness	E 1	1	1	2	2	2	3	2
Channel bed tree features richness	E 2	1	2	2	1	2	2	2
Channel bed hydraulic features richness	E 3	1	0	1	1	1	0	0
Channel bed natural features extent	E 4	0	0	0	2	1	1	0

Channel bed natural features richness	E 5	0	0	0	1	0	1	0
Channel bed material richness	E 6	3	2	3	3	3	2	2
Channel bed siltation	E 7	0	0	-2	0	0	0	0
Channel bed reinforcement extent	E 8	0	0	0	0	0	0	0
Channel bed reinforcement severity	E 9	0	0	0	0	0	0	0
Channel bed artificial features severity	E 10	0	0	0	0	0	-1	0
Channel bed NNIPS extent	E 11	0	0	0	0	0	0	0
Channel bed filamentous algae extent	E 12	0	0	0	0	0	0	0

Table 2 Tributary of Dorrington Dyke RCA desk study results

MoRPh 5 Grid Reference		TF 05950 56746	TF 06448 56718	TF 06512 56694	TF 06759 56738	TF 06890 56843	TF 07101 56955	TF 07173 56971
River Name		Tributary of Dorrington Dyke	Tributary of Dorrington Dyke	Tributary of Dorrington Dyke	Tributary of Dorrington Dyke	Tributary of Dorrington Dyke	Tributary of Dorrington Dyke	Tributary of Dorrington Dyke
MoRPh 5 Reach name		Scopwich reach	Scopwich reach	Scopwich reach	Scopwich reach	Scopwich reach	Scopwich reach	Scopwich reach
MoRPh 5 Sub-reach name		A	B	C	D	E	F	G
Survey Type		pre-project	pre-project	pre-project	pre-project	pre-project	pre-project	pre-project
Module Numbers		1 to 5	1 to 5	1 to 5	1 to 5	1 to 5	1 to 5	1 to 5
Shape		0.58421	0.843023	0.868465	0.479078	0.55788	0.972222	1.29979
Overdeep		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Average Width		0.7	0.87	1.03	0.79	0.8	1.05	1.24
Preliminary Condition Score		0.696356	1.319838	1.012146	1.530364	1.530364	1.42915	1.37247
Braiding index	a1	0	0	0	0	0	0	0

Sinuosity	a2	1.082873	1.082873	1.082873	1.082873	1.082873	1.082873	1.082873
Anabranching index	a3	1	1	1	1	1	1	1
Level of confinement	a4	Unconfined	Unconfined	Unconfined	Unconfined	Unconfined	Unconfined	Unconfined
Reach valley gradient	a5	0.007735	0.007735	0.007735	0.007735	0.007735	0.007735	0.007735
Bedrock reach	a6	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Coarsest bed material size class	a7	Gravel/Pebble	Gravel/Pebble	Gravel/Pebble	Gravel/Pebble	Gravel/Pebble	Gravel/Pebble	Gravel/Pebble
Average bed material size class	a8	Silt	Silt	Silt	Silt	Silt	Silt	Silt
Final River Type		K	K	K	K	K	K	K
Final Condition Class (overdeep assessment applied)		Fairly Poor	Moderate	Fairly Poor	Moderate	Moderate	Moderate	Moderate

Table 3 Tributary of Car Dyke RCA MoRPh5 field survey results

MoRPh 5 Grid Reference		TF 07486 60236	TF 07606 60556
River Name		Tributary of Car Dyke	Tributary of Car Dyke
Reach Name		Blankney reach	Blankney reach
Subreach Name		A	B
Survey Type		pre-project	pre-project
Module Numbers		1 to 5	1 to 5
Preliminary Condition Score		0.854251	1.6072874
shape		0.8768267	1.0315534
Average Width		1.68	1.7
Positive Index Average		1.3157895	1.6842105
Negative Index Average		-0.46153846	-0.07692308
Bedrock reach	A6	FALSE	FALSE
Coarsest bed material size class	A7	Gravel/ Pebble	Cobble

Average bed material size class	A8	Sand	Sand
Bank top vegetation structure	B1	1	2
Bank top tree feature richness	B2	0	0
Bank top water-related features	B3	0	2
Bank top NNIPS cover	B4	0	0
Bank top managed ground cover	B5	-2	-1
Bank face riparian vegetation structure	C1	1	2
Bank face tree feature richness	C2	1	2
Bank face natural bank profile extent	C3	3	3
Bank face natural bank profile richness	C4	1	2
Bank face natural bank material richness	C5	1	1
Bank face bare sediment extent	C6	1	1
Bank face artificial bank profile extent	C7	0	0
Bank face reinforcement extent	C8	0	0
Bank face reinforcement material severity	C9	0	0
Bank face NNIPS cover	C10	0	0
Channel margin aquatic vegetation extent	D1	3	2
Channel margin aquatic morphotype richness	D2	2	2
Channel margin physical feature extent	D3	1	1
Channel margin physical feature richness	D4	1	1
Channel margin artificial features	D5	0	0
Channel aquatic morphotype richness	E1	3	1
Channel bed tree features richness	E2	1	2
Channel bed hydraulic features richness	E3	2	2
Channel bed natural features extent	E4	0	1
Channel bed natural features richness	E5	0	1
Channel bed material richness	E6	3	4

Channel bed siltation	E7	0	0
Channel bed reinforcement extent	E8	0	0
Channel bed reinforcement severity	E9	0	0
Channel bed artificial features severity	E10	0	0
Channel bed NNIPS extent	E11	0	0
Channel bed filamentous algae extent	E12	-4	0

Table 4 Tributary of Car Dyke RCA desk study results

MoRPh 5 Grid Reference		TF 07486 60236	TF 07606 60556
River Name		Tributary of Car Dyke	Tributary of Car Dyke
MoRPh 5 Reach name		Blankney reach	Blankney reach
MoRPh 5 Sub-reach name		A	B
Survey Type		1 to 5	1 to 5
Module Numbers		pre-project	pre-project
Shape		0.876827	1.031553
Overdeep		Yes	Yes
Average Width		1.68	1.7
Preliminary Condition Score		0.854251	1.607287
Braiding index	a1	0	0
Sinuosity	a2	1.121495	1.121495
Anabranching index	a3	0	0
Level of confinement	a4	Unconfined	Unconfined
Reach valley gradient	a5	0.003738	0.003738
Bedrock reach	a6	FALSE	FALSE
Coarsest bed material size class	a7	Cobble	Cobble

Average bed material size class	a8	Sand	Sand
Final River Type		H	H
Final Condition Class (overdeep assessment applied)		Fairly Poor	Moderate

BNG Metric Calculations

Application Document Ref: EN010149/APP/6.3
Planning Inspectorate Scheme Ref: EN010149

The Statutory Biodiversity Metric
Start page

Project details			
Planning authority:	The Planning Inspectorate		
Project name:	Springwell Solar Farm		
Applicant:	Springwell Energyfarm Ltd		
Application type:	Nationally Significant Infrastructure Project (NSIP)		
Planning application reference:			
Completed by:	[redacted]		
Date of metric completion:	01 April 2025		
Reviewer:	[redacted]		
Calculation iteration:	2		
Planning authority reviewer:			
Date of planning authority review:			
Target % net gain:	10%		
Irreplaceable habitat present at baseline:	**No ✓**		
Total site area - including irreplaceable habitat area (hectares):	**1279.83**	**Irreplaceable habitat site area (hectares):**	**0.00**
Total off-site area - including irreplaceable habitat area (hectares):	**N/A**	**Irreplaceable habitat area off-site (hectares):**	**N/A**

Main menu

Results

Cell style conventions	
⚠	Attention required
▲	Input error/rules and principles not met
	Use of this cell is not appropriate
	Enter data
	Automatic lookup
	Result

View all

Reset view

On-site baseline map — Insert

On-site baseline map reference number	

On-site post intervention map — Insert

On-site post-intervention map reference number	

Off-site baseline map — Insert

Off-site baseline map reference number	

Off-site post intervention map — Insert

Off-site post-intervention reference number	

Springwell Solar Farm

Headline Results

Scroll down for final results ⚠

Return to results menu

On-site baseline	*Habitat units*	3059.81	
	Hedgerow units	548.42	
	Watercourse units	20.57	
On-site post-intervention (Including habitat retention, creation & enhancement)	*Habitat units*	4028.67	
	Hedgerow units	661.83	
	Watercourse units	23.37	
On-site net change (units & percentage)	*Habitat units*	968.87	31.66%
	Hedgerow units	113.41	20.68%
	Watercourse units	2.80	13.59%
Off-site baseline	*Habitat units*	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention (Including habitat retention, creation & enhancement)	*Habitat units*	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change (units & percentage)	*Habitat units*	0.00	0.00%
	Hedgerow units	0.00	0.00%
	Watercourse units	0.00	0.00%
Combined net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units*	968.87	
	Hedgerow units	113.41	
	Watercourse units	2.80	
Spatial risk multiplier (SRM) deductions	*Habitat units*	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	

FINAL RESULTS

Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units*	968.87
	Hedgerow units	113.41
	Watercourse units	2.80
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units*	31.66%
	Hedgerow units	20.68%
	Watercourse units	13.59%
Trading rules satisfied?	No - Check Trading Summaries ▲	

Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Habitat units	10.00%	3059.81	3365.79	0.00	No additional area habitat units required to meet target ✓
Hedgerow units	10.00%	548.42	603.26	0.00	No additional hedgerow units required to meet target ✓
Watercourse units	10.00%	20.57	22.63	0.00	No additional watercourse units required to meet target ✓

Input errors/rule breaks present in metric ▲

Return to results menu

Trading summary hedgerows

Trading summary watercourses

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required – bespoke compensation option ⚠	Yes ✓
High	Same habitat required =	Yes ✓
Medium	Same broad habitat or a higher distinctiveness habitat required (≥)	Yes ✓
Low	Same distinctiveness or better habitat required ≥	Yes ✓

Very High Distinctiveness

Habitat group	Group	On-site unit change	Off-site unit change	Project-wide unit change	Unit losses
Grassland - Lowland dry acid grassland	Grassland	0.00	0.00	0.00	
Grassland - Lowland meadows	Grassland	0.00	0.00	0.00	
Grassland - Upland hay meadows	Grassland	0.00	0.00	0.00	
Heathland and shrub - Mountain heaths and willow scrub	Heathland and shrub	0.00	0.00	0.00	
Lakes - Aquifer fed naturally fluctuating water bodies	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Calaminarian grasslands	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Limestone pavement	Sparsely vegetated land	0.00	0.00	0.00	
Wetland - Blanket bog	Wetland	0.00	0.00	0.00	
Wetland - Depressions on peat substrates (H7150)	Wetland	0.00	0.00	0.00	
Wetland - Fens (upland and lowland)	Wetland	0.00	0.00	0.00	
Wetland - Lowland raised bog	Wetland	0.00	0.00	0.00	
Wetland - Oceanic valley mire[1] (D2.1)	Wetland	0.00	0.00	0.00	
Wetland - Purple moor grass and rush pastures	Wetland	0.00	0.00	0.00	
Wetland - Transition mires and quaking bogs (H7140)	Wetland	0.00	0.00	0.00	
Woodland and forest - Wood-pasture and parkland	Woodland and forest	0.00	0.00	0.00	
Rocky shore - High energy littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Rocky shore - Low energy littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Rocky shore - Features of littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Intertidal sediment - Littoral seagrass on peat, clay or chalk	Intertidal sediment	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00

Very High Distinctiveness Summary

Very High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses; Like for like not satisfied	0.00

High Distinctiveness

Habitat group	Group	On-site unit change	Off-site unit change	Project-wide unit change	Losses not yet accounted for
Grassland - Traditional orchards	Grassland	0.00	0.00	0.00	
Grassland - Floodplain wetland mosaic and CFGM	Grassland	0.00	0.00	0.00	
Grassland - Lowland calcareous grassland	Grassland	535.91	0.00	535.91	✓
Grassland - Tall herb communities (H6430)	Grassland	0.00	0.00	0.00	
Grassland - Upland calcareous grassland	Grassland	0.00	0.00	0.00	
Heathland and shrub - Lowland Heathland	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Dunes with sea buckthorn (H2160)	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Upland heathland	Heathland and shrub	0.00	0.00	0.00	
Lakes - High alkalinity lakes	Lakes	0.00	0.00	0.00	
Lakes - Low alkalinity lakes	Lakes	0.00	0.00	0.00	
Lakes - Marl lakes	Lakes	0.00	0.00	0.00	
Lakes - Moderate alkalinity lakes	Lakes	0.00	0.00	0.00	
Lakes - Peat lakes	Lakes	0.00	0.00	0.00	
Lakes - Ponds (priority habitat)	Lakes	0.00	0.00	0.00	
Lakes - Temporary lakes ponds and pools (H3170)	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Coastal sand dunes	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Coastal vegetated shingle	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Inland rock outcrop and scree habitats	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Maritime cliff and slopes	Sparsely vegetated land	0.00	0.00	0.00	
Urban - Open mosaic habitats on previously developed land	Urban	0.00	0.00	0.00	
Wetland - Reedbeds	Wetland	0.00	0.00	0.00	
Woodland and forest - Felled/Replacement for felled woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Lowland beech and yew woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Lowland mixed deciduous woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Native pine woodlands	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland birchwoods	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland mixed ashwoods	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland oakwood	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Wet woodland	Woodland and forest	0.00	0.00	0.00	
Coastal lagoons - Coastal lagoons	Coastal lagoons	0.00	0.00	0.00	
Rocky shore - High energy littoral rock	Rocky shore	0.00	0.00	0.00	
Rocky shore - Moderate energy littoral rock	Rocky shore	0.00	0.00	0.00	
Rocky shore - Low energy littoral rock	Rocky shore	0.00	0.00	0.00	
Rocky shore - Features of littoral rock	Rocky shore	0.00	0.00	0.00	
Intertidal sediment - Littoral mud	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral mixed sediments	Intertidal sediment	0.00	0.00	0.00	
Coastal saltmarsh - Saltmarshes and saline reedbeds	Coastal saltmarsh	0.00	0.00	0.00	
Intertidal sediment - Littoral biogenic reefs - Mussels	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral biogenic reefs - Sabellaria	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Features of littoral sediment	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral muddy sand	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral seagrass	Intertidal sediment	0.00	0.00	0.00	
		535.91	0.00	535.91	0.00

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	535.91 ✓
Remaining losses; Like for like not satisfied	0.00

Medium Distinctiveness

Habitat group	Group	On-site unit change	Off-site unit change	Project wide unit change	Cumulative broad habitat change
Cropland - Arable field margins cultivated annually	Cropland	0.00	0.00	0.00	110.76 ✓
Cropland - Arable field margins game bird mix	Cropland	113.02	0.00	113.02	
Cropland - Arable field margins pollen and nectar	Cropland	-2.25	0.00	-2.25	
Cropland - Arable field margins tussocky	Cropland	0.00	0.00	0.00	
Grassland - Other lowland acid grassland	Grassland	0.00	0.00	0.00	331.22 ✓
Grassland - Other neutral grassland	Grassland	331.22	0.00	331.22	
Grassland - Upland acid grassland	Grassland	0.00	0.00	0.00	
Heathland and shrub - Blackthorn scrub	Heathland and shrub	0.00	0.00	0.00	0.00
Heathland and shrub - Bramble scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Gorse scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Hawthorn scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Willow scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Hazel scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Mixed scrub	Heathland and shrub	0.00	0.00	0.00	
Lakes - Ponds (non-priority habitat)	Lakes	0.00	0.00	0.00	0.00
Lakes - Reservoirs	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Other inland rock and scree	Sparsely vegetated land	0.00	0.00	0.00	0.00
Urban - Cemeteries and churchyards	Urban	0.00	0.00	0.00	0.00
Urban - Biodiverse green roof	Urban	0.00	0.00	0.00	
Individual trees - Urban tree	Individual trees	0.00	0.00	0.00	0.00
Individual trees - Rural tree	Individual trees	0.00	0.00	0.00	
Woodland and forest - Other Scot's pine woodland	Woodland and forest	0.00	0.00	0.00	56.52 ✓
Woodland and forest - Other woodland; broadleaved	Woodland and forest	56.52	0.00	56.52	
Woodland and forest - Other woodland; mixed	Woodland and forest	0.00	0.00	0.00	
Intertidal sediment - Littoral coarse sediment	Intertidal sediment	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral sand	Intertidal sediment	0.00	0.00	0.00	
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IGGI)	Intertidal hard structures	0.00	0.00	0.00	
		498.50	0.00	498.50	

Medium Distinctiveness Summary

Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit	498.50 ✓
Medium Distinctiveness Broad Habitat losses to be offset by trading up	0.00
Higher Distinctiveness Surplus Units minus Medium Distinctiveness Broad Habitat Deficit	535.91 ✓
Cumulative surplus of units	1034.41 ✓

Low Distinctiveness

Habitat group	Group	On-site unit change	Off-site unit change	Project wide unit change
Cropland - Cereal crops	Cropland	-655.34	0.00	-655.34 ⚠
Cropland - Horticulture	Cropland	0.00	0.00	0.00
Cropland - Intensive orchards	Cropland	0.00	0.00	0.00
Cropland - Non-cereal crops	Cropland	-119.32	0.00	-119.32 ⚠
Cropland - Temporary grass and clover leys	Cropland	-129.62	0.00	-129.62 ⚠
Cropland - Winter stubble	Cropland	0.00	0.00	0.00
Grassland - Modified grassland	Grassland	831.56	0.00	831.56 ✓
Grassland - Bracken	Grassland	0.00	0.00	0.00
Heathland and shrub - Rhododendron scrub	Heathland and shrub	0.00	0.00	0.00
Lakes - Ornamental lake or pond	Lakes	0.00	0.00	0.00
Sparsely vegetated land - Ruderal/ephemeral	Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land - Tall forbs	Sparsely vegetated land	0.00	0.00	0.00
Urban - Bioswale	Urban	0.00	0.00	0.00
Urban - Bare ground	Urban	0.00	0.00	0.00
Urban - Allotments	Urban	7.18	0.00	7.18 ✓
Urban - Facade-bound green wall	Urban	0.00	0.00	0.00
Urban - Ground based green wall	Urban	0.00	0.00	0.00
Urban - Ground level planters	Urban	0.00	0.00	0.00
Urban - Other green roof	Urban	0.00	0.00	0.00
Urban - Intensive green roof	Urban	0.00	0.00	0.00
Urban - Introduced shrub	Urban	0.00	0.00	0.00
Urban - Rain garden	Urban	0.00	0.00	0.00
Urban - Actively worked sand pit quarry or open cast mine	Urban	0.00	0.00	0.00
Urban - Sustainable drainage system	Urban	0.00	0.00	0.00
Urban - Vacant or derelict land	Urban	0.00	0.00	0.00
Urban - Vegetated garden	Urban	0.00	0.00	0.00
Woodland and forest - Other coniferous woodland	Woodland and forest	0.00	0.00	0.00
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	Coastal saltmarsh	0.00	0.00	0.00
Intertidal sediment - Artificial littoral coarse sediment	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral mud	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral sand	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral muddy sand	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral mixed sediments	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral seagrass	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral biogenic reefs	Intertidal sediment	0.00	0.00	0.00
Intertidal hard structures - Artificial hard structures	Intertidal hard structures	0.00	0.00	0.00
Intertidal hard structures - Artificial features of hard structures	Intertidal hard structures	0.00	0.00	0.00
Heathland and shrub - Other sea buckthorn scrub	Heathland and shrub	0.00	0.00	0.00
		-65.54	0.00	-65.54

Low Distinctiveness Summary

Low Distinctiveness net change in units	-65.54 ⚠
Cumulative surplus of units	968.87 ✓

Return to results menu

Trading summary area habitats

Trading summary watercourses

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required =	Yes ✓
High	Like for like or better	No ▲
Medium	Same distinctiveness or better habitat required	Yes ✓
Low	Same distinctiveness or better habitat required	Yes ✓
Very Low	Same distinctiveness or better habitat required	Yes ✓

Very High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Species-rich native hedgerow with trees - associated with bank or ditch	0.00	0.00	0.00
	0.00	0.00	0.00

Very High Distinctiveness Summary

Very High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses: Like for like not satisfied	0.00

High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow with trees	16.15	0.00	16.15 ✓
Species-rich native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees - associated with bank or ditch	-0.21	0.00	-0.21 ⚠
	15.95	0.00	15.95

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	16.15	✓
High Distinctiveness losses to be offset by trading up	-0.21	⚠
Higher Distinctiveness surplus units minus any high distinctiveness deficit	-0.21	⚠

Medium Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow	106.47	0.00	106.47 ✓
Native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees	-5.05	0.00	-5.05 ⚠
Ecologically valuable line of trees	0.00	0.00	0.00
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00
	101.42	0.00	101.42

Medium Distinctiveness Summary

Units available from higher distinctiveness habitats	16.15	✓
Medium Distinctiveness net change in units	101.42	✓
Cumulative availability of units	117.57	✓

Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Native hedgerow	-3.96	0.00	-3.96 ⚠
Line of trees	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00
	-3.96	0.00	-3.96

Low Distinctiveness Summary

Low Distinctiveness net change in units	-3.96	⚠
Cumulative availability of units	113.62	✓

Very Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Non-native and ornamental hedgerow	0.00	0.00	0.00
	0.00	0.00	0.00

Very Low Distinctiveness Summary

Very Low Distinctiveness net change in units	0.00	
Cumulative availability of units	113.62	✓

Return to results menu

Trading summary area habitats

Trading summary hedgerows

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required – bespoke compensation option ⚠	Yes ✓
High	Same habitat required =	Yes ✓
Medium	Same habitat required =	Yes ✓
Low	Better distinctiveness habitat required	Yes ✓

Very High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Priority habitat	0.00	0.00	0.00
	0.00	0.00	0.00

Very High Distinctiveness Summary

Very High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses; Like for like not satisfied	0.00

High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Other rivers and streams	2.80	0.00	2.80 ✓
	2.80	0.00	2.80

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	2.80 ✓
Remaining losses; Like for like not satisfied	0.00

Medium Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Ditches	0.00	0.00	0.00
Canals	0.00	0.00	0.00
	0.00	0.00	0.00

Medium Distinctiveness Summary

Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit	0.00
Remaining losses; Like for like not satisfied	0.00

Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Culvert	0.00	0.00	0.00
	0.00	0.00	0.00

Low Distinctiveness Summary

Low Distinctiveness net change in units	0.00
Cumulative availability of units	2.80 ✓

Project Name: Springwell Solar Farm Map Reference:

A-1 On-Site Habitat Baseline

Condense / Show Columns | Condense / Show Rows | Main Menu

Area habitat summary	
Total Net Unit Change	968.87
Total Net % Change	31.66%
Trading Rules Satisfied	Yes ✓

	Existing area habitats				Distinctiveness	Condition	Strategic significance	Required Action to Meet Trading Rules	Ecological baseline							Bespoke compensation agreed for losses of VHDH or irreplaceable habitat	Comments		
Ref	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance		Total habitat units	Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost		User comments	Planning authority comments	Habitat reference number
1	Cropland	Cereal crops	No	147.54	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	295.08	33.6		67.20	0.00	113.94	227.88		East Area Field No.s By11, By10, By23, By24, Lf07, Lf02, Lf08, C7, C9, Lf05, Md01, Md02, By27. (Polygon IDs 219, 220, 221, 222, 223, 232, 233, 234, 235, 236, 237, 238, 245, 246, 546) 97.91 ha lost to Solar Areas, 16.04 ha lost to GI areas, 33.6 ha retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
2	Cropland	Non-cereal crops	No	42.19	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	84.38	16.23		32.46	0.00	25.96	51.92		East Area Field No.s By28, Lf04, Lf03 (Polygon IDs 227, 228, 229) 21.88 ha lost to solar area, 4.08 ha lost to GI areas, 16.23 ha retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
3	Cropland	Temporary grass and clover leys	No	15.95	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	31.90	15.95		31.90	0.00	0.00	0.00		East Area Field No.s Md04, Md03 (Polygon ID 250) Retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
4	Cropland	Winter stubble	No	12.59	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	25.18	12.59		25.18	0.00	0.00	0.00		East Area Field No. By18 (Polygon ID 951) Retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
5	Grassland	Modified grassland	No	1.9	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	11.40	0.04		0.24	0.00	1.86	11.16		East Area No Field No. (Polygon IDs 706 and 737) 1.86 ha lost to Community Growing area. 0.04 ha Retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
6	Grassland	Modified grassland	No	0.04	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.16	0.04		0.16	0.00	0.00	0.00		East Area No Field No. Polygon ID 564 Retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
7	Grassland	Modified grassland	No	7.6	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	15.20		7.6	0.00	15.20	0.00	0.00		East Area Field Nos. C6 and By20 (Polygon IDs 325 and 328) Enahnced to primary mitigation neutral grassland Low strategic significance due to habitat/area not included in local plan.		
8	Grassland	Modified grassland	No	9.77	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	19.54		9.77	0.00	19.54	0.00	0.00		East Area Field No. By03, By04, By22, C6, C8, Lf11 (Polygon IDs 286, 320, 321, 322, 325, 326, 327, 328, 329, 335) Enhanced to GI flower-rich neutral grassland margin Low strategic significance due to habitat/area not included in local plan.		
9	Grassland	Modified grassland	No	52.02	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	104.04		52.02	0.00	104.04	0.00	0.00		East Area Field No. By03, By04, By22, C6, C8, Lf11 (Polygon IDs 320, 321, 322, 326, 328, 329) Enhanced to solar legume-rich modified grassland Low strategic significance due to habitat/area not included in local plan.		
10	Grassland	Modified grassland	No	7.46	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	14.92	7.46		14.92	0.00	0.00	0.00		East Area Field No. Md05 (Polygon IDs 286, 328, 329, 569, 783) Retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
11	Grassland	Other neutral grassland	No	1.62	Medium	Good	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	22.36	1.62		22.36	0.00	0.00	0.00		East Area Field No.By22 + Non labelled fields (Polygon IDs 473, 483, 484) 1.6 ha margins retained in GI area/around community grow area and outside GI parameters. High strategic significance due to permanent grassy margins included in LBAP as key habitat.		
12	Grassland	Other neutral grassland	No	12.22	Medium	Moderate	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	112.42	12.12	0.04	111.50	0.37	0.06	0.55		East Area Field No.s By22, By03, By10, By11, By24, By23, By27, Lf03, Lf02, Lf05, Md01,Lf07, Md02, C7, Lf08, C9, Md05, Md04, Md03,C6 (Polygon ID's 288,290,336,337,464,465,469,470,471,472,474,475,476,477,478,480,481,482,547,549,553,554,555,556,561,562,565,566,567,570,695,704) 0.06 ha lost to solar area, 0.04 ha enhanced to primary mitigation neutral grassland (C6), 7.98 ha retained within GI areas, 4.13 retained outside GI parameters. High strategic significance due to permanent grassy margins included in LBAP as key habitat.		
13	Grassland	Other neutral grassland	No	0.26	Medium	Poor	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	1.20	0.15	0.11	0.69	0.51	0.00	0.00		East Area Field No.s By04, C7, C8 (Polygon ID's 466, 468, 559, 698, 705) 0.11 ha enhanced in GI areas, 0.15 ha retained outside GI parameters. High strategic significance due to permanent grassy margins included in LBAP as key habitat.		
14	Heathland and shrub	Mixed scrub	No	0.16	Medium	Moderate	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	1.41	0.16		1.41	0.00	0.00	0.00		East Area Field No.s By18, By27 (Polygon ID 552) Retained within GI areas and outside GI parameters. Medium strategic significance. Habitat not included in local plan however considered ecologically desirable		
15	Heathland and shrub	Mixed scrub	No	0.02	Medium	Poor	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.09	0.02		0.09	0.00	0.00	0.00		East Area Field No. By10 (Polygon ID 131) Retained within solar area. Medium strategic significance. Habitat not included in local plan however considered ecologically desirable		
16	Lakes	Ponds (non-priority habitat)	No	0.06	Medium	Moderate	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.55	0.06		0.55	0.00	0.00	0.00		East Area Field No.s By10, Lf04, By18, By24 (Polygon ID's 140,149,950) Retained within solar area (By10), GI areas (Lf04) and outside GI parameters (By18, By24). High strategic significance due to inclusion of ponds as key habitats within Lincolnshire BAP		

17	Lakes	Ponds (non-priority habitat)	No	0.02	Medium	Poor	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.09		0.02		0.09	0.00	0.00	0.00		East Area Field No. By23 (Polygon ID 148) Retained within GI areas. High strategic significance due to inclusion of ponds as key habitats within Lincolnshire BAP		
18	Urban	Artificial unvegetated, unsealed surface	No	1.54	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00		1		0.00	0.00	0.54	0.00		East Area Field No.s By03, Lf07, Lf05, Md01, Md02 (Polygon ID's 785, 786) 0.54 ha lost to solar and GI area (By03), 1 ha retained in GI area and outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
19	Urban	Developed land; sealed surface	No	5.12	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00		5.12		0.00	0.00	0.00	0.00		East Area Field No.s By03, By04, By10, By23, By24, By20, By28, Lf04, Lf03 + unassigned. (Polygon ID's 157,158,159,166,167,168,173,185,787) 2.91 ha retained within GI areas, 2.21 ha retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
20	Urban	Vegetated garden	No	0.02	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.04		0.02		0.04	0.00	0.00	0.00		East Area No Field No. (Polygon ID 487) Retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
21	Woodland and forest	Other woodland; broadleaved	No	0.45	Medium	Moderate	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	3.96		0.45		3.96	0.00	0.00	0.00		East Area Field No.s By10, By03, By23, By24 + unassigned (Polygon IDs 365, 368, 370, 548) Retained within GI areas and outside GI parameters Medium strategic significance. Habitat not included in local plan however considered ecologically desirable .		
22	Woodland and forest	Other woodland; broadleaved	No	0.18	Medium	Poor	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.79		0.18		0.79	0.00	0.00	0.00		East Area Field No.s By11, By10. (Polygon ID's 343, 369) Retained within GI areas. Medium strategic significance. Habitat not included in local plan however considered ecologically desirable .		
23	Woodland and forest	Other woodland; mixed	No	4.84	Medium	Moderate	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	42.59		4.84		42.59	0.00	0.00	0.00		East Area Field No.s By10, By03, By20, By28, Lf04, Lf11, By04, By22, C6, C8. (Polygon IDs 344, 363, 364, 550, 551) Retained within GI areas and outside GI parameters. Medium strategic significance. Habitat not included in local plan however considered ecologically desirable .		
24	Woodland and forest	Other woodland; mixed	No	0.11	Medium	Poor	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.48		0.11		0.48	0.00	0.00	0.00		East Area Field No.s Md02 and unassigned (Polygon ID 360) Retained within GI areas and outside GI parameters. Medium strategic significance. Habitat not included in local plan however considered ecologically desirable .		
25																				
26																				
27	Cropland	Cereal crops	No	70.09	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	140.18		29.62		59.24	0.00	40.47	80.94		Central Area Field No.s Bcd079, Bk04, Bk02, Bk03, Bk15, Bk08, Bk11, Rw12, Bcd067. (Polygon IDs 239,240,243,244,254,255,256,260,264,291) 13.62 ha lost to primary mitigation calcareous grassland, 22.6 ha lost to slar areas, 4.22 lost to GI areas, 0.03 ha lost to tree belts. 29.42 ha retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
28	Cropland	Non-cereal crops	No	14.17	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	28.34				0.00	0.00	14.17	28.34		Central Area Field No. BK10 (Polygon ID 261) 12.6 ha lost to solar area, 0.83 ha lost to tree belts, 0.74 ha lost to GI areas. Low strategic significance due to habitat/area not included in local plan.		
29	Cropland	Temporary grass and clover leys	No	78.31	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	156.62		37.83		75.66	0.00	40.48	80.96		Central Area Field No.s Rw02, Bcd065, Bcd068, Bk09, Bk05, Rw01, Bcd088, Bcd086 (Polygon IDs 242, 251, 252, 253, 257, 262, 253, 268, 269) 34.96 ha lost to solar areas, 5.52 ha lost to GI areas, 37.83 ha retained outside GI parameters		
30	Grassland	Modified grassland	No	7.2	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	43.20				0.00	0.00	7.20	43.20		Central Area Field No. Bk07. (Polygon ID 292) 6.81 ha lost to primary mitigation calcareous grassland (due to reduction in condition despite increase in habitat distinctiveness), 0.39 ha lost to tree belts Low strategic significance due to habitat/area not included in local plan.		
31	Grassland	Modified grassland	No	3.39	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	6.78			3.39	0.00	6.78	0.00	0.00		Central Area Field No. Bk06. (Polygon ID 293) Enhanced to primary mitigation calcareous grassland. Low strategic significance due to habitat/area not included in local plan.		
32	Grassland	Modified grassland	No	2.93	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	5.86			2.93	0.00	5.86	0.00	0.00		Central Area Field No. Bk06 (Polygon ID 293) Enhanced to solar legume-rich modified grassland Low strategic significance due to habitat/area not included in local plan.		
33	Grassland	Modified grassland	No	1.03	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	2.06			1.03	0.00	2.06	0.00	0.00		Central Area Field No.s Bk06, Bk02, Bcd066 + unassigned (Polygon IDs 293, 294, 342, 569) Enhanced to GI rough grassland margin Low strategic significance due to habitat/area not included in local plan.		
34	Grassland	Modified grassland	No	14.25	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	28.50		14.25		28.50	0.00	0.00	0.00		Central Area Field No.s B1, Bcd148, Bcd066 + unassigned (Polygon IDs 285, 342, 485, 568, 569, 588, 589, 590, 591, 592, 594) Retained outside GI parameters Low strategic significance due to habitat/area not included in local plan.		
35	Grassland	Other neutral grassland	No	1.75	Medium	Good	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	24.15		0.59		8.14	0.00	1.16	16.01		Central Area Field No.s Bk15, Bk08 + unassigned (Polygon IDs 497, 710, 712) 1.12 ha lost to primary mitigation calcareous grassland, 0.04 ha lost to solar PV modules area, 0.28 ha retained in GI area, 0.31 retained oustide GI parameters. High strategic significance due to permanent grassy margins included in LBAP as key habitat.		

36	Grassland	Other neutral grassland	No	6.25	Medium	Moderate	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	57.50		5.51		50.69	0.00	0.74	6.81		Central Area Field No.s Bk03, Bk10, Bk05, Rw02, Rw12, Bcd088, Bcd086, Bk09, Bk11 + unassigned. (Polygon Id 494,495,496,498,499,501,505,593,595,598,599,600,601,711) 0.17 ha lost to solar pv areas, 0.57 ha lost to tree belts, 2.45 ha retained in GI areas, 3.06 ha retained outside GI parameters. High strategic significance due to permanent grassy margins included in LBAP as key habitat.		
37	Grassland	Other neutral grassland	No	1.47	Medium	Poor	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	6.76		0.1	1.17	0.46	5.38	0.20	0.92		Central Area Field No.s Bcd066, Bk05, Rw02, Bk15, Bk08 (Polygon ID 492,493,500,596,597,692,709) 1.17 ha enhanced to flower-rich neutral grassland margin, 0.1 ha lost to solar pv module area, 0.2 retained outside of GI parameters. High strategic significance due to permanent grassy margins included in LBAP as key habitat.		
38	Lakes	Ponds (non-priority habitat)	No	0.01	Medium	Good	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.14		0.01		0.14	0.00	0.00	0.00		Central Area Field No. Bk07 (Polygon ID 953) Retained in GI areas. High strategic significance due to inclusion of ponds as key habitats within Lincolnshire BAP		
39	Urban	Developed land; sealed surface	No	4.16	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00		4.16		0.00	0.00	0.00	0.00		Central Area Field No.s unassigned (Polygon ID 152,153,154,169,170,171,174,176,177,178,707,784) Retained in solar pv module, primary mitigation, GI areas and outside GI parameters. Low strategic significance due to habitat/area not included in local plan.		
40	Woodland and forest	Lowland mixed deciduous woodland	No	1.19	High	Good	Formally identified in local strategy	Same habitat required =	24.63		1.19		24.63	0.00	0.00	0.00		Central Area Field No, B1 (Polygon ID 359) Retained outside GI parameters. High strategic significance due to inclusion of LMDW as key habitat in LBAP.		
41	Woodland and forest	Other woodland; broadleaved	No	0.47	Medium	Moderate	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	4.14		0.47		4.14	0.00	0.00	0.00		Central Area Field No.s Bk07, Bk10 + unassigned (Polygon ID 357, 358, 952) Retained within tree belt and GI areas. Medium strategic significance. Habitat not included in local plan however considered ecologically desirable		
42	Woodland and forest	Other woodland; broadleaved	No	0.04	Medium	Poor	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.18		0.04		0.18	0.00	0.00	0.00		Central Area Field No. Bk02. (Polygon ID 347) Retained within GI area. Medium strategic significance. Habitat not included in local plan however considered ecologically desirable		
43																				
44																				
45	Cropland	Cereal crops	No	215.42	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	430.84		42.16		84.32	0.00	173.26	346.52		West Area Bcd129, Bcd128, Bcd123, Tb2, Bcd082,Tb2, E2,W1, E1, Bcd044, Bcd083 and National Grid Navenby Substation. (Polygon IDs 273,275,276,282,283,284,375,377,378,380,404,406,408,463) 39.12 ha lost to primary mitigation calcareous grassland, 81.66 ha lost to slar PV module areas, 46.87 ha lost to GI areas, 5.6 ha lost to tree belt areas, 42.16 ha retained outside GI parameters. Low strategic significance due to habitat/area not included in local plan.		
46	Cropland	Non-cereal crops	No	63.65	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	127.30		44.12		88.24	0.00	19.53	39.06		West Area Field No.s Bcd108, Bcd072, Bcd042, Bcd032, Bcd031, Bcd038 (Polygon ID 277,407,416,417,418,421). 9.7 ha lost to primary mitigation calcarous grassland, 8.75 ha lost to solar PV modula areas, 1.07 ha lost to GI areas, 44.12 ha retained outside GI parameters. Low strategic significance due to habitat/area not included in local plan.		
47	Cropland	Arable field margins pollen and nectar	No	0.91	Medium	Condition Assessment N/A	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	4.19		0.42		1.93	0.00	0.49	2.25		West Area Field No.s Bcd115, Bcd128, Bcd118 (Polygon ID 274) 0.2 ha lost to primary mitigation calcareous grassland, 0.02 lost to slar PV modula areas, 0.27 ha lost the tree belt areas, 0.42 retained within GI areas High strategic significance due to arable field margins included in LBAP as key habitat.		
48	Cropland	Temporary grass and clover leys	No	81.77	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	163.54		57.44		114.88	0.00	24.33	48.66		West Area Field No.s Bcd084, Bcd105, Bcd138, Bcd118, Bcd043, Bcd024, Bcd027 (Polygon ID 270,271,272,281,415,419,420) 2.19 ha lost to primary mitigation calcareous grassland creation, 18.45 ha lost to solar PV module areas, 2.56 ha lost to GI areas, 1.14 ha lost to tree belt areas, 57.44 ha retained outside GI parameters. Low strategic significance due to habitat/area not included in local plan.		
49	Grassland	Modified grassland	No	47.82	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	95.64			47.82	0.00	95.64	0.00	0.00		West Area Field No.s Tb3, Tb4, Tb5, Bcd127, Bcd114, Bcd106, Bcd107, Bcd115, Bcd140, Bcd141 (Polygon ID 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310) Enhanced to primary mitigation calcareous grassland. Low strategic significance due to habitat/area not included in local plan.		
50	Grassland	Modified grassland	No	239.3	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	478.60			239.3	0.00	478.60	0.00	0.00		West Area Field No.s Bcd093, Bcd096, Bcd097, Bcd094, Bcd098, Bcd102, Bcd099, Bcd106, Bcd107, Bcd114, Bcd127, Bcd115, Tb3, Tb4, Tb5, Bcd139 (Polygon ID 299, 300, 301, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 316, 318, 319) Enhanced to solar legume-rich modified grassland Low strategic significance due to habitat/area not included in local plan.		
51	Grassland	Modified grassland	No	11.99	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	23.98			11.99	0.00	23.98	0.00	0.00		West Area Field No.s Bcd099, Bcd107, Bcd115, Bcd141, Bcd140, Bcd139, Bcd127, Bcd114, Bcd106, Tb4, Tb3, Tb5 (Polygon ID 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310). Enhanced to flower-rich neutral grassland margin Low strategic significance due to habitat/area not included in local plan.		
52	Grassland	Modified grassland	No	12.75	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	25.50			12.75	0.00	25.50	0.00	0.00		West Area Field No.s Bcd102, Bcd098, Bcd094, Bcd082, Bcd097, Bcd096, Bcd093 + unassigned (Polygon ID 311, 312, 313, 314, 315, 316, 318, 319) Enhanced to rough grass margin. Low strategic significance due to habitat/area not included in local plan.		

53	Grassland	Modified grassland	No	33.93	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	67.86		29.63		59.26	0.00	4.30	8.60		West Area Field No.s Bcd082, Bcd094, Bcd098, Bcd102, Bcd106, Bcd139 (Polygon ID 299, 303, 304, 306, 307, 308, 310, 311, 312, 313, 314, 319, 577) 4.3 ha lost to tree belt area, 29.63 ha retained outside GI parameters. Low strategic significance due to habitat/area not included in local plan.		
54	Grassland	Other neutral grassland	No	0.31	Medium	Good	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	4.28		0.31		4.28	0.00	0.00	0.00		West Area Field No. Tb2 (Polygon 693) Retained within GI area (0.2 ha) as margin and outside GI parameters (0.11). High strategic significance due to permanent grassy margins included in LBAP as key habitat.		
55	Grassland	Other neutral grassland	No	11.07	Medium	Moderate	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	101.84		8.95		82.34	0.00	2.12	19.50		West Area Field No.s Bcd044, Bcd043, Bcd082, Bcd083, Bcd096, Bcd084, Bcd097, Bcd098, Bcd102, Bcd094, Bcd106, Bcd099, Bcd107, Bcd127, Bcd114, Bcd115, Bcd108, Bcd118, E2, E1 + unassigned. (Polygon ID 317, 409, 414, 456, 514, 518, 519, 528, 535, 536, 537, 538, 544, 578, 579, 587, 690, 691, 694, 734, 736, 767, 770, 771, 776) 1.66 ha lost to primary mitigation calcareous grassland, 0.1 ha lost to slar PV module areas, 0.36 ha lost to tree belt areas, 6.58 ha retained in GI areas, 2.37 ha retained outside GI areas. High strategic significance due to permanent grassy margins included in LBAP as key habitat.		
56	Grassland	Other neutral grassland	No	2.65	Medium	Poor	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	12.19		2.65		12.19	0.00	0.00	0.00		West Area Field No.s Bcd024, Bcd027, Bcd031, Bcd032, Bcd038, Bcd042, Bcd043, National Grid Navenby Substation + unassigned (Polygon ID 334,425,427,430,431,432,433,434,435,439,440,441,442,443,444,445,446,447,448, 449, 458, 574, 576) Retained outside GI parameters. High strategic significance due to permanent grassy margins included in LBAP as key habitat.		
57	Grassland	Lowland calcareous grassland	No	13.6	High	Moderate	Formally identified in local strategy	Same habitat required =	187.68		11.54		159.25	0.00	2.06	28.43		West Area LWS road verge Calcareous grassland + Field No. E2 (Polygon ID 341, 384, 411, 412, 422, 423, 424, 428, 429, 436, 437, 457, 527, 573, 575, 765, 769, 772, 788, 789, 790, 934, 936. 7.33 ha retained in GI areas and primary mitigation calcareous grassland, 4.41 ha retained outside GI parameters, 0.2 lost to development, 1.86 ha lost to tree belt areas High strategic significance due to lowland calcareous grassland included in LBAP as key habitat.		
58	Grassland	Lowland calcareous grassland	No	0.64	High	Poor	Formally identified in local strategy	Same habitat required =	4.42		0.64		4.42	0.00	0.00	0.00		West Area LWS road verge Calcareous grassland (Polygon ID 576) Retained High strategic significance due to lowland calcareous grassland included in LBAP as key habitat.		
59	Heathland and shrub	Mixed scrub	No	0.04	Medium	Moderate	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.35		0.04		0.35	0.00	0.00	0.00		West Area Field No.s Tb2, Bcd024, Bcd027 (Polygon ID 133, 426) Retained within GI areas and outside GI parameters Medium strategic significance. Habitat not included in local plan however considered ecologically desirable		
60	Heathland and shrub	Mixed scrub	No	0.06	Medium	Poor	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.26		0.06		0.26	0.00	0.00	0.00		West Area Field No.s Tb2, Bcd042 (Polygon ID 132, 438) Retained within GI areas and outside GI parameters Medium strategic significance. Habitat not included in local plan however considered ecologically desirable		
61	Lakes	Ponds (non-priority habitat)	No	0.02	Medium	Poor	Formally identified in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	0.09		0.02		0.09	0.00	0.00	0.00		West Area Field No. unassigned (Polygon ID 386) Retained in GI Area High strategic significance due to inclusion of ponds as key habitats within Lincolnshire BAP		
62	Urban	Artificial unvegetated, unsealed surface	No	0.45	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00		0.45		0.00	0.00	0.00	0.00		West Area Field No. unassigned (Polygon ID 779) Retained in GI area Low strategic significance due to habitat/area not included in local plan.		
63	Urban	Developed land; sealed surface	No	11.29	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00		11.29		0.00	0.00	0.00	0.00		West Area Field No. unassigned (Polygon ID 162, 163, 164, 165, 179, 180, 181, 183, 387, 461, 462, 540) Retained Low strategic significance due to habitat/area not included in local plan.		
64	Woodland and forest	Lowland mixed deciduous woodland	No	0.22	High	Good	Formally identified in local strategy	Same habitat required =	4.55		0.22		4.55	0.00	0.00	0.00		West Area Field No.s Bcd139, Bcd140, Bcd141 (Polygon ID 730) Retained High strategic significance due to inclusion of LMDW as key habitat in LBAP.		
65	Woodland and forest	Lowland mixed deciduous woodland	No	0.06	High	Moderate	Formally identified in local strategy	Same habitat required =	0.83		0.06		0.83	0.00	0.00	0.00		West Area Field No. unassigned (Polygon ID 392) Retained High strategic significance due to inclusion of LMDW as key habitat in LBAP.		
66	Woodland and forest	Other woodland; broadleaved	No	0.19	Medium	Moderate	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	1.67		0.19		1.67	0.00	0.00	0.00		West Area Field No.s Bcd097, Bcd105, Bcd108, E2 (Polygon ID 348, 391) Retained Medium strategic significance. Habitat not included in local plan however considered ecologically desirable		
67	Woodland and forest	Other woodland; mixed	No	0.69	Medium	Moderate	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	6.07		0.69		6.07	0.00	0.00	0.00		West Area Field No.s Bcd108, E2, Bcd139, E1 (Polygon ID 372, 390) Retained Medium strategic significance. Habitat not included in local plan however considered ecologically desirable		
68	Woodland and forest	Other woodland; mixed	No	0.28	Medium	Poor	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required (≥)	1.23		0.28		1.23	0.00	0.00	0.00		West Area Field No. Bcd072 (Polygon ID 405) Retained Medium strategic significance. Habitat not included in local plan however considered ecologically desirable		
69	Woodland and forest	Other coniferous woodland	No	0.03	Low	Poor	Location ecologically desirable but not in local strategy	Same distinctiveness or better habitat required ≥	0.07		0.03		0.07	0.00	0.00	0.00		West Area Field No.s Bcd099, Bcd107 (Polygon ID 352) Retained Medium strategic significance. Habitat not included in local plan however considered ecologically desirable		
70																				
71																				

72																							
73																							
74																							
			Total habitat area	1279.53					3059.81		416.74	389.92	1234.64	783.46	472.87	1041.71							
			Site Area (Excluding area of individual trees, green walls, intertidal hard structures)	1279.53																			

Total area lost (excluding area of individual trees, green walls and intertidal hard structures)	472.87

M² to hectares conversion tool:	Select a unit	Hectares	M²

Project Name: Springwell Solar Farm Map Reference:

A-2 On-Site Habitat Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	968.87
Total Net % Change	31.66%
Trading Rules Satisfied	Yes ✓
Area Check	Area Acceptable ✓

been used - check evidence to ensur

	Post intervention habitats											
				Distinctiveness	Condition	Strategic significance	Temporal multiplier	Difficulty			Comments	
Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation	Habitat units delivered	User comments	Planning authority comments	Habitat reference number
1	Grassland	Modified grassland	120.06	Low	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	335.41	East Area. Field No.s By10, By11, By28, Lf04, By23, By24, C9, Md01, Lf05, Lf07, Lf078. 'Solar PV modules' legume rich modified grassland creation on cropland, urban and neutral grassland baseline. Fairly poor condition - see BNG assessment report for proposed condition criteria. Low strategic significance due to habitat/area not included in local plan.		
2	Grassland	Other neutral grassland	20.45	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	2	Low	87.60	East Area. Multiple Field No.s 'Green Infrastructure' rough grass margin creation on cropland and urban baseline. Poor condition - see BNG assessment report for proposed condition criteria. High strategic significance due to permanent grassy margins included in LBAP as key habitat.		
3	Urban	Allotments	1.86	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	7.18	East Area. Field No. unassigned 'Community Growing' area creation on modified grassland field. Moderate condition - see BNG assessment report for proposed condition criteria. Low strategic significance due to habitat/area not included in local plan.		
4													
5													
6	Grassland	Modified grassland	70.57	Low	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	197.15	Central Area. Field No.s Bk02, Bk04, Bk15, Bk08, Bk09, Bk11, Bk05, Bk10, Rw01, Rw02. 'Solar PV modules' legume rich modified grassland creation on cropland, urban and neutral grassland baseline. Fairly poor condition - see BNG assessment report for proposed condition criteria. Low strategic significance due to habitat/area not included in local plan		
7	Grassland	Lowland calcareous grassland	21.55	High	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	High	68.72	Central Area. Field No.s Bk07, Bk15, Bcd079 'Primary Mitigation' calcareous grassland creation. Moderate condition - see BNG assessment report for proposed condition criteria. High strategic significance due to lowland calcareous grassland included in LBAP as key habitat.		
8	Cropland	Arable field margins game bird mix	10.48	Medium	Condition Assessment N/A	Formally identified in local strategy	Standard time to target condition applied	1	Low	46.52	Central Area. Multiple field No.s 'Green Infrastructure' arable margin wild bird seed margin treatment on cropland and urbanc baseline. High strategic significance due to arable field margins included in LBAP as key habitat.		
9	Woodland and forest	Other woodland; broadleaved	1.82	Medium	Poor	Location ecologically desirable but not in local strategy	Standard time to target condition applied	5	Low	6.70	Central Area. Field No.s Bk07, Bk10 + unassigned 'Tree belt' area woodland creation. Poor condition - see Biodiversity Strategy for assumptions. see BNG assessment report for proposed condition criteria. Medium strategic significance. Habitat not included in local plan however considered ecologically desirable.		
10													
11													
12	Grassland	Modified grassland	108.97	Low	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	304.43	West Area Field No.s Bcd 105, Bcd108, Bcd118, Bcd123, Bcd129, Bcd128, Bcd138, W1, E1 'Solar PV modules' legume rich modified grassland creation on cropland, and neutral grassland baseline. Fairly poor condition - see BNG assessment report for proposed condition criteria. Low strategic significance due to habitat/area not included in local plan		

13	Grassland	Lowland calcareous grassland	53.07	High	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	High	169.24	West Area primary mitigation calcareous grassland creation on cropland and neutral grassland Moderate condition - see BNG assessment report for proposed condition criteria. High strategic significance due to lowland calcareous grassland included in LBAP as key habitat.			
14	Cropland	Arable field margins game bird mix	14.98	Medium	Condition Assessment N/A	Formally identified in local strategy	Standard time to target condition applied	1	Low	66.50	West Area. Multiple field No.s 'Green Infrastructure' arable margin wild bird seed margin treatment on cropland baseline. High strategic significance due to arable field margins included in LBAP as key habitat.			
15	Woodland and forest	Other woodland; broadleaved	13.53	Medium	Poor	Location ecologically desirable but not in local strategy	Standard time to target condition applied	5	Low	49.82	West Area Field No.s Tb2, Bcd082, Bcd094, Bcd098, Bcd102, Bcd106, Bcd099, Bcd118, Bcd123, Bcd129, Bcd128, Bcd139, E2 "Tree belt' area woodland creation. Poor condition - see Biodiversity Strategy for assumptions. see BNG assessment report for proposed condition criteria. Medium strategic significance. Habitat not included in local plan however considered ecologically desirable.			
16	Grassland	Lowland calcareous grassland	35.52	High	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	High	113.28	West Area Field No. Tb2 GI area field			
17														
18														
19														
20														
21														
		Total habitat area	472.86							1452.55				

Site Area (Excluding area of individual trees, green walls, intertidal hard structures)	472.86

M² to hectares conversion tool:	Select a unit	Hectares	M²

Project Name: Springwell Solar Farm Map Reference:
A-3 On-Site Habitat Enhancement

Condense / Show Columns | Condense / Show Rows | Main Menu

Area habitat summary	
Total Net Unit Change	966.87
Total Net % Change	31.66%
Trading Rules Satisfied	Yes ✓

⚠ 'Fairly' Category has been used - check evidence to ensure this is appropriate ⚠

	Baseline habitats		Post intervention habitats											Comments		
		Proposed Habitat (Broad habitat pre-populated but can be overridden)		Change in distinctiveness and condition					Strategic significance	Temporal risk multiplier		Difficulty risk multipliers				
Baseline ref	Baseline habitat	Proposed Broad Habitat	Proposed habitat	Distinctiveness change	Condition change	Area (hectares)	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of enhancement	Habitat units delivered	User comments	Planning authority comments	Habitat reference number
7	Grassland - Modified grassland	Grassland	Other neutral grassland	Low - Medium	Lower Distinctiveness Habitat - Good	7.6	Medium	Good	Location ecologically desirable but not in local strategy	Standard time to target condition applied	15	Low	65.71	East Area. Field No.s By20, C6 'Primary Mitigation neutral grassland' area enhanced from modified grassland. Good condition - see BNG assessment report for proposed condition criteria. Medium strategic signifiicance. Habitat not included in local plan however considered ecologically desirable		
8	Grassland - Modified grassland	Grassland	Other neutral grassland	Low - Medium	Lower Distinctiveness Habitat - Moderate	9.77	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	Low	69.68	East Area. Multiple Field No.s 'Green Infrastructure' area enhanced from modified grassland to flower-rich neutral grassland margins. Moderate condition - see BNG assessment report for proposed condition criteria. High strategic signifiicance due to permanent grassy margins included in LBAP as key habitat.		
9	Grassland - Modified grassland	Grassland	Modified grassland	Low - Low	Poor - Fairly Poor	52.02	Low	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	147.57	East Area. Field No.s By03, By04, By22, C6, C8, Lf11 'Solar PV modules' legume rich modified grassland enhanced from poor condition modified grassland. Fairly poor condition - see BNG assessment report for proposed condition criteria. Low strategic signifiicance due to habitat/area not included in local plan.		
12	Grassland - Other neutral grassland	Grassland	Other neutral grassland	Medium - Medium	Moderate - Good	0.04	Medium	Good	Location ecologically desirable but not in local strategy	Standard time to target condition applied	10	Low	0.48	East Area. Field No. C6 'Primary Mitigation neutral grassland' area enhanced from moderate condition ONG grassland. Good condition - see BNG assessment report for proposed condition criteria. Medium strategic signifiicance. Habitat not included in local plan however considered ecologically desirable		
13	Grassland - Other neutral grassland	Grassland	Other neutral grassland	Medium - Medium	Poor - Moderate	0.11	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	Low	0.86	East Area. Multiple Field No.s 'Green Infrastructure' flower-rich neutral grassland margins enhanced from poor condition ONG. Moderate condition - see BNG assessment report for proposed condition criteria. High strategic signifiicance due to permanent grassy margins included in LBAP as key habitat.		
31	Grassland - Modified grassland	Grassland	Lowland calcareous grassland	Low - High	Lower Distinctiveness Habitat - Moderate	3.39	High	Moderate	Formally identified in local strategy	Standard time to target condition applied	20	High	14.11	Central Area. Field B06 'Primary Mitigation' calcareous grassland enhanced from modified grassland. Moderate condition -see BNG assessment report for proposed condition criteria. High strategic signifiicance due to lowland calcareous grassland included in LBAP as key habitat.		
32	Grassland - Modified grassland	Grassland	Modified grassland	Low - Low	Poor - Fairly Poor	2.93	Low	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	8.31	Central Area Field No. B06 'Solar PV modules' legume rich modified grassland enhanced from poor condition modified grassland. Fairly poor condition - see BNG assessment report for proposed condition criteria. Low strategic signifiicance due to habitat/area not included in local plan.		
33	Grassland - Modified grassland	Grassland	Other neutral grassland	Low - Medium	Lower Distinctiveness Habitat - Poor	1.03	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	1	Low	4.66	Central Area Multiple Field No.s 'Green Infrastructure' area enhanced from modified grassland to rough neutral grassland margins. Poor condition - see BNG assessment report for proposed condition criteria. High strategic signifiicance due to permanent grassy margins included in LBAP as key habitat.		
37	Grassland - Other neutral grassland	Grassland	Other neutral grassland	Medium - Medium	Poor - Moderate	1.17	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	Low	9.15	Central Area Multiple Field No.s 'Green Infrastructure' area enhanced from poor ONG grassland to flower-rich neutral grassland margins. Moderate condition - see BNG assessment report for proposed condition criteria. High strategic signifiicance due to permanent grassy margins included in LBAP as key habitat.		
49	Grassland - Modified grassland	Grassland	Lowland calcareous grassland	Low - High	Lower Distinctiveness Habitat - Moderate	47.82	High	Moderate	Formally identified in local strategy	Standard time to target condition applied	20	High	198.98	West Area Field No.s Tb3, Tb4, Tb5, Bcd127, Bcd114, Bcd106, Bcd107, Bcd115, Bcd140, Bcd141 'Primary Mitigation' calcareous grassland enhanced from modified grassland. Moderate condition -see BNG assessment report for proposed condition criteria. High strategic signifiicance due to lowland calcareous grassland included in LBAP as key habitat.		
50	Grassland - Modified grassland	Grassland	Modified grassland	Low - Low	Poor - Fairly Poor	239.3	Low	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	678.85	West Area Field No.s Bcd093, Bcd096, Bcd097, Bcd094, Bcd098, Bcd102, Bcd099, Bcd106, Bcd107, Bcd114, Bcd127, Bcd115, Tb3, Tb4, Tb5, Bcd139 'Solar PV modules' legume rich modified grassland enhanced from poor condition modified grassland. Fairly poor condition - see BNG assessment report for proposed condition criteria. Low strategic signifiicance due to habitat/area not included in local plan.		
51	Grassland - Modified grassland	Grassland	Other neutral grassland	Low - Medium	Lower Distinctiveness Habitat - Moderate	11.99	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	Low	85.51	West Area Field No.s Bcd099, Bcd107, Bcd115, Bcd141, Bcd140, Bcd139, Bcd127, Bcd114, Bcd106, Tb4, Tb3, Tb5 'Green Infrastructure' area enhanced from modified grassland to flower-rich neutral grassland margins. Moderate condition - see BNG assessment report for proposed condition criteria. High strategic signifiicance due to permanent grassy margins included in LBAP as key habitat.		

52	Grassland - Modified grassland	Grassland	Other neutral grassland	Low - Medium	Lower Distinctiveness Habitat - Poor	12.75	Medium	Poor	Formally identified in local strategy	Standard time to target condition applied	1	Low	57.62	West Area Field No.s Bcd102, Bcd098, Bcd094, Bcd082, Bcd097, Bcd096, Bcd093 + unassigned 'Green Infrastructure' area enhanced from modified grassland to rough neutral grassland margins. Poor condition - see BNG assessment report for proposed condition criteria. High strategic significance due to permanent grassy margins included in LBAP as key habitat.		
					Total habitat area	389.92							1341.49			

Project Name: Springwell Solar Farm Map Reference:

B-1 On-Site Hedge Baseline

Condense / Show Columns | Condense / Show Rows | Main Menu

Hedgerow summary	
Total Net Unit Change	113.41
Total Net % Change	20.68%
Trading Rules Satisfied	No - check trading summary ▲

	Existing hedgerow habitats			Distinctiveness	Condition	Strategic significance	Required Action to Meet Trading Rules	Ecological baseline							Comments		
Ref	Hedge number	Habitat type	Length (km)	Distinctiveness	Condition	Strategic significance		Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Planning authority comments	Habitat reference number
1		Native hedgerow	1.69	Low	Good	Formally identified in local strategy	Same distinctiveness band or better	11.66	1.68		11.59	0.00	0.01	0.07	East Area Line IDs 106,107,120,128,161,320,324,329,338,359 0.01 km lost from hedgerow 128 High strategic significance due to hedgerows included in LBAP as key habitat.		
2		Native hedgerow	0.05	Low	Moderate	Formally identified in local strategy	Same distinctiveness band or better	0.23	0.05		0.23	0.00	0.00	0.00	East Area Line IDs 162, 316 High strategic significance due to hedgerows included in LBAP as key habitat.		
3		Native hedgerow - associated with bank or ditch	0.56	Medium	Good	Formally identified in local strategy	Same distinctiveness band or better	7.73	0.56		7.73	0.00	0.00	0.00	East Area Line IDs 91, 160 High strategic significance due to hedgerows included in LBAP as key habitat.		
4		Native hedgerow with trees	11.29	Medium	Good	Formally identified in local strategy	Same distinctiveness band or better	155.80	11.22		154.84	0.00	0.07	0.97	East Area Line ID's 156,166,168,179,186,209,211,216,217,218,232,235,239,240,318,321,325,326,327,328,330,331,332,333,334,335,336,337,341,342,357,358 0.01 km lost from 166, 0.01 km lost from 168, 0.03 km lost from 217, 0.01 km lost from 240, 0.01 km lost from 335 High strategic significance due to hedgerows included in LBAP as key habitat.		
5		Native hedgerow with trees	3.02	Medium	Moderate	Formally identified in local strategy	Same distinctiveness band or better	27.78	2.99		27.51	0.00	0.03	0.28	East Area Line IDs 176,188,190,210,215,311,314,315 0.01 km lost from 188, 0.02 km lost from 311 High strategic significance due to hedgerows included in LBAP as key habitat.		
6		Native hedgerow with trees	0.79	Medium	Poor	Formally identified in local strategy	Same distinctiveness band or better	3.63	0.77		3.54	0.00	0.02	0.09	East Area Line IDs 185, 312 0.02 km lost from 312 High strategic significance due to hedgerows included in LBAP as key habitat.		
7		Native hedgerow - associated with bank or ditch	2.05	Medium	Good	Formally identified in local strategy	Same distinctiveness band or better	28.29	2.05		28.29	0.00	0.00	0.00	East Area Line IDs 112,228,241,319,322,323 High strategic significance due to hedgerows included in LBAP as key habitat.		
8		Native hedgerow - associated with bank or ditch	0.28	Medium	Moderate	Formally identified in local strategy	Same distinctiveness band or better	2.58	0.28		2.58	0.00	0.00	0.00	East Area Line ID 229 High strategic significance due to hedgerows included in LBAP as key habitat.		
9		Ecologically valuable line of trees	3.77	Medium	Poor	Formally identified in local strategy	Same distinctiveness band or better	17.34	3.77		17.34	0.00	0.00	0.00	East Area Line ID 307 High strategic significance due to boundary trees included in LBAP as key habitat.		
10		Non-native and ornamental hedgerow	0.05	V.Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness band or better	0.05	0.05		0.05	0.00	0.00	0.00	East Area Line ID 340 Low strategic significance due to habitat/area not included in local plan.		
11																	
12																	
13		Native hedgerow	2.33	Low	Good	Formally identified in local strategy	Same distinctiveness band or better	16.08	2.31		15.94	0.00	0.02	0.14	Central Area Line IDs 114,119,124,129,169,194,202,343,344,347 0.02 km lost from 129 High strategic significance due to hedgerows included in LBAP as key habitat.		
14		Native hedgerow	2.83	Low	Moderate	Formally identified in local strategy	Same distinctiveness band or better	13.02	2.47	0.23	11.36	1.06	0.13	0.60	Central Area Line IDs 86,87,88,92,116,117,127,153,225,348,349 0.02 km lost from 88, 0.02 km lost from 92, 0.02 km lost from 127. 0.02 km lost from 153, 0.03 km lost from 348, 0.03 km lost from 349. 88 enhanced by filling gaps High strategic significance due to hedgerows included in LBAP as key habitat.		
15		Native hedgerow	1.78	Low	Poor	Formally identified in local strategy	Same distinctiveness band or better	4.09	1.76		4.05	0.00	0.02	0.05	Central Area Line IDs 118, 123, 224 0.02 km lost from 123 High strategic significance due to hedgerows included in LBAP as key habitat.		
16		Native hedgerow - associated with bank or ditch	0.54	Medium	Good	Formally identified in local strategy	Same distinctiveness band or better	7.45	0.54		7.45	0.00	0.00	0.00	Central Area Line ID 313 High strategic significance due to hedgerows included in LBAP as key habitat.		
17		Native hedgerow - associated with bank or ditch	0.27	Medium	Moderate	Formally identified in local strategy	Same distinctiveness band or better	2.48	0.27		2.48	0.00	0.00	0.00	Central Area Line 164 High strategic significance due to hedgerows included in LBAP as key habitat.		
18		Native hedgerow with trees	1.73	Medium	Good	Formally identified in local strategy	Same distinctiveness band or better	23.87	1.73		23.87	0.00	0.00	0.00	Central Area Line IDs 85,115,204,205,214,238,339,345,346 High strategic significance due to hedgerows included in LBAP as key habitat.		
19		Native hedgerow with trees	0.67	Medium	Moderate	Formally identified in local strategy	Same distinctiveness band or better	6.16	0.66		6.07	0.00	0.01	0.09	Central Area Line IDs 203, 208 0.01 km lost from 203 High strategic significance due to hedgerows included in LBAP as key habitat.		
20		Native hedgerow with trees	0.54	Medium	Poor	Formally identified in local strategy	Same distinctiveness band or better	2.48	0.52		2.39	0.00	0.02	0.09	Central Area Line ID 207 0.02 km lost from 207 High strategic significance due to hedgerows included in LBAP as key habitat.		
21		Native hedgerow with trees - associated with bank or ditch	0.37	High	Good	Formally identified in local strategy	Like for like or better	7.66	0.36		7.45	0.00	0.01	0.21	Central Area Line ID 201 0.01 km lost High strategic significance due to hedgerows included in LBAP as key habitat.		

22		Native hedgerow with trees - associated with bank or ditch	1.21	High	Moderate	Formally identified in local strategy	Like for like or better	16.70	1.21		16.70	0.00	0.00	0.00	Central Area Line IDs 192, 193 High strategic significance due to hedgerows included in LBAP as key habitat.		
23		Species-rich native hedgerow with trees	0.08	High	Moderate	Formally identified in local strategy	Like for like or better	1.10	0.06		0.83	0.00	0.02	0.28	Central Area Line 154 0.02 km lost High strategic significance due to hedgerows included in LBAP as key habitat.		
24																	
25																	
26		Native hedgerow	3.37	Low	Good	Formally identified in local strategy	Same distinctiveness band or better	23.25	3.19		22.01	0.00	0.18	1.24	West Aea Line IDs 83,132,133,134,139,140,142,143,352,354 0.02 km lost from 83, 0.01 km lost from 139, 0.01 km lost from 140, 0.14 lost from 354 High strategic significance due to hedgerows included in LBAP as key habitat.		
27		Native hedgerow	5.91	Low	Moderate	Formally identified in local strategy	Same distinctiveness band or better	27.19	5.83		26.82	0.00	0.08	0.37	West Aea Line IDs 26,28,30,34,41,89,96,97,109,110,111,135,136,145,149,171,234,248,249 0.01 km lost from 26, 0.01 km lost from 135, 0.01 km lost from 149, 0.04 km lost from 234, 0.01 km lost from 248 High strategic significance due to hedgerows included in LBAP as key habitat.		
28		Native hedgerow	6.14	Low	Poor	Formally identified in local strategy	Same distinctiveness band or better	14.12	5.95		13.69	0.00	0.19	0.44	West Aea Line IDs 2,3,10,11,12,20,21,22,31,99,100,101,108,131,137,144,148,174,251,310 0.01 km lost from 2, 0.07 km lost from 11, 0.03 km lost from 22, 0.01 km lost from 131, 0.03 km lost from 144, 0.04 km lost from 174 High strategic significance due to hedgerows included in LBAP as key habitat.		
29		Native hedgerow with trees	3.8	Medium	Good	Formally identified in local strategy	Same distinctiveness band or better	52.44	3.66		50.51	0.00	0.14	1.93	West Aea Line IDs 14,35,39,49,52,175,246,254,256,351,353 0.03 km lost from 14, 0.11 km lost from 49 High strategic significance due to hedgerows included in LBAP as key habitat.		
30		Native hedgerow with trees	5.12	Medium	Moderate	Formally identified in local strategy	Same distinctiveness band or better	47.10	4.79		44.07	0.00	0.33	3.04	West Aea Line IDs 5,6,7,8,9,15,138,170,245,247,309,350 0.01 km lost from 6, 0.03 km lost from 7, 0.02 km lost from 15, 0.11 km lost from 245, 0.16 km lost from 350 High strategic significance due to hedgerows included in LBAP as key habitat.		
31		Native hedgerow with trees	5.42	Medium	Poor	Formally identified in local strategy	Same distinctiveness band or better	24.93	5.34		24.56	0.00	0.08	0.37	West Aea Line IDs 4,147,167,172,173,222,250,308 0.02 km lost from 4, 0.03 km lost from 167, 0.03 km lost from 172 High strategic significance due to hedgerows included in LBAP as key habitat.		
32		Line of trees	0.17	Low	Moderate	Formally identified in local strategy	Same distinctiveness band or better	0.78	0.17		0.78	0.00	0.00	0.00	West Aea Line IDs 24,33 High strategic significance due to boundary trees included in LBAP as key habitat.		
33		Ecologically valuable line of trees	0.26	Medium	Moderate	Formally identified in local strategy	Same distinctiveness band or better	2.39	0.26		2.39	0.00	0.00	0.00	West Aea Line IDs 1, 36 High strategic significance due to boundary trees included in LBAP as key habitat.		
34																	
35																	
36																	
37																	
38																	
			66.09					548.42	64.50	0.23	537.12	1.06	1.36	10.23			

Project Name: Springwell Solar Farm	Map Reference:
B-2 On-Site Hedge Creation	

Condense / Show Columns | Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	113.41
Total Net % Change	20.68%
Trading Rules Satisfied	No - check trading summary ▲

		Proposed habitats		Distinctiveness	Condition	Strategic significance	Temporal multiplier		Difficulty risk multipliers	Hedge units delivered	Comments		
Ref	New hedge number	Habitat type	Length (km)	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation		User comments	Planning authority comments	Habitat reference number
1		Species-rich native hedgerow	5.8	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	5	Low	44.65	East Area. Hedgerow creation High strategic significance due to hedgerows included in LBAP as key habitat.		
2		Species-rich native hedgerow with trees	1.7	High	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	Low	16.43	Central Area. Hedgerow creation High strategic significance due to hedgerows included in LBAP as key habitat.		
3		Species-rich native hedgerow	8.03	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	5	Low	61.82	West Area. Hedgerow creation High strategic significance due to hedgerows included in LBAP as key habitat.		
4													
5													
6													
7													
8													
			15.53							122.90			

Project Name: Springwell Solar Farm Map Reference:

B-3 On-Site Hedge Enhancement

Condense / Show Columns | Condense / Show

Main Menu

Hedgerow summary	
Total Net Unit Change	113.41
Total Net % Change	20.68%
Trading Rules Satisfied	No - check trading summary ▲

	Baseline Habitats		Post intervention habitats											Comments		
				Change in distinctiveness and condition			Distinctiveness	Condition	Strategic significance	Temporal multiplier		Difficulty risk multipliers				
Baseline ref	Baseline habitat	Proposed habitat	Distinctiveness movement	Condition movement	Length (km)	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of enhancement	Hedge units delivered	User comments	Planning authority comments	Habitat reference number
14	Native hedgerow	Native hedgerow with trees	Low - Medium	Lower Distinctiveness Habitat - Moderate	0.23	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	Low	1.80	Central Area Gap filling in hedge 88 High strategic significance due to hedgerows included in LBAP as key habitat.		
					0.23							1.80			

Project Name: Springwell Solar Farm	Map Reference:
C-1 On-Site WaterC' Baseline	

Condense / Show Columns | Condense / Show Rows

Main Menu

Watercourse summary	
Total Net Unit Change	2.80
Total Net % Change	13.59%
Trading Rules Satisfied	Yes ✓

Existing watercourse type			Distinctiveness	Condition	Strategic significance	Watercourse encroachment	Riparian encroachment	Required Action to Meet Trading Rules	Ecological baseline							Bespoke compensation agreed for losses of VHDH	Comments		
Ref	Watercourse type	Length (km)	Distinctiveness	Condition	Strategic significance	Extent of encroachment	Extent of encroachment for both banks		Total watercourse units	Length retained	Length enhanced	Units retained	Units enhanced	Length Lost	Units Lost		User Comments	Planning authority comments	Habitat reference number
1	Other rivers and streams	0.57	High	Fairly Poor	Location ecologically desirable but not in local strategy	No Encroachment	Major/Major	Same habitat required =	4.23		0.57	0.00	4.23	0.00	0.00		Central Area Tributary of Dorring Dyke Section 1 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
2	Other rivers and streams	0.12	High	Moderate	Location ecologically desirable but not in local strategy	No Encroachment	Major/No Encroachment	Same habitat required =	1.38		0.12	0.00	1.38	0.00	0.00		Central Area Tributary of Dorring Dyke Section 2 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
3	Other rivers and streams	0.21	High	Fairly Poor	Location ecologically desirable but not in local strategy	No Encroachment	Major/Major	Same habitat required =	1.56		0.21	0.00	1.56	0.00	0.00		Central Area Tributary of Dorring Dyke Section 3 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
4	Other rivers and streams	0.6	High	Moderate	Location ecologically desirable but not in local strategy	No Encroachment	Major/No Encroachment	Same habitat required =	6.89		0.6	0.00	6.89	0.00	0.00		Central Area Tributary of Dorring Dyke Section 4 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
5	Other rivers and streams	0.11	High	Fairly Poor	Location ecologically desirable but not in local strategy	No Encroachment	Moderate/ No Encroachment	Same habitat required =	1.00		0.11	0.00	1.00	0.00	0.00		East Area Car Dydke Section 1 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
6	Other rivers and streams	0.37	High	Moderate	Location ecologically desirable but not in local strategy	No Encroachment	Moderate/ No Encroachment	Same habitat required =	4.49		0.37	0.00	4.49	0.00	0.00		East Area Car Dydke Section 2 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
7	Ditches	0.24	Medium	Poor	Location ecologically desirable but not in local strategy	No Encroachment	Major/Major	Same habitat required =	0.79	0.24		0.79	0.00	0.00	0.00		East Area. Line ID 282. Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area. No watercourse encroachment. Major riparian encroachment due to proximity of adjacent agricultural activities.		
8	Ditches	0.06	Medium	Poor	Location ecologically desirable but not in local strategy	No Encroachment	Moderate/ Moderate	Same habitat required =	0.22	0.06		0.22	0.00	0.00	0.00		West Area. Line ID's 38 and 42. Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area. No watercourse encroachment. Moderate riparian encroachment due to agricultural activities up to 25% of the area between 4-10m		
9																			
10																			
11																			
12																			
13																			
		2.28							20.57	0.30	1.98	1.02	19.56	0.00	0.00				

ect Name: Springwell Solar Farm Map Referenc

C-3 On-Site WaterC' Enhancement

Condense / Show Columns | Condense

Main Menu

Watercourse summary	
Total Net Unit Change	2.80
Total Net % Change	13.59%
Trading Rules Satisfied	Yes ✓

	Baseline habitats		Post intervention habitats													Comments		
			Change in distinctiveness and condition			Habitat distinctiveness	Habitat condition	Strategic significance	Temporal multiplier		Difficulty multipliers	Watercourse encroachment	Riparian encroachment					
Baseline ref	Baseline habitat	Proposed habitat	Distinctiveness movement	Condition movement	Length (km)	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of enhancement	Extent of encroachment	Extent of encroachment for both banks	Watercourse units delivered	User comments	Planning authority comments	Habitat reference number
1	Other rivers and streams	Other rivers and streams	High - High	Fairly Poor - Fairly Poor	0.57	High	Fairly Poor	Location ecologically desirable but not in local strategy	Standard time to target condition applied	1	Medium	No Encroachment	Moderate/ No Encroachment	5.19	Tributary of Dorring Dyke Section 1 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
2	Other rivers and streams	Other rivers and streams	High - High	Moderate - Moderate	0.12	High	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	1	Medium	No Encroachment	Moderate/ No Encroachment	1.46	Tributary of Dorring Dyke Section 2 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
3	Other rivers and streams	Other rivers and streams	High - High	Fairly Poor - Fairly Poor	0.21	High	Fairly Poor	Location ecologically desirable but not in local strategy	Standard time to target condition applied	1	Medium	No Encroachment	Major/No Encroachment	1.81	Tributary of Dorring Dyke Section 3 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
4	Other rivers and streams	Other rivers and streams	High - High	Moderate - Moderate	0.6	High	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	1	Medium	No Encroachment	No Encroachment/ No Encroachment	7.92	Tributary of Dorring Dyke Section 4 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
5	Other rivers and streams	Other rivers and streams	High - High	Fairly Poor - Fairly Poor	0.11	High	Fairly Poor	Location ecologically desirable but not in local strategy	Standard time to target condition applied	1	Medium	No Encroachment	No Encroachment/ No Encroachment	1.09	Car Dydke Section 1 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
6	Other rivers and streams	Other rivers and streams	High - High	Moderate - Moderate	0.37	High	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	1	Medium	No Encroachment	No Encroachment/ No Encroachment	4.88	Car Dydke Section 2 Medium strategic significance as habitat/area not on local plan but serves as an ecological corridor through the area.		
					1.98									22.35			

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