

Biodiversity Impact Assessment

Project: South Caldecotte, Milton Keynes

Technical Briefing Note TN06: Updated Biodiversity Impact Assessment

Date: 04 September 2020

1. Introduction

- 1.1. Aspect Ecology was commissioned by Hampton Brook in September 2020 to undertake an updated Biodiversity Impact Assessment (BIA) for the proposed new strategic employment development, including nine warehouses, with offices, parking and associated access and infrastructure at South Caldecotte, Milton Keynes, hereafter referred to as 'the site'.

2. Approach and Methodology

Metric and Baseline

- 2.1. The DEFRA 2.0 Biodiversity Impact Calculation Tool was used to conduct the BIA in accordance with Policy NE3 of the Milton Keynes Council Plan:MK 2016-2031 which states '*Development proposals of 5 or more dwellings or non-residential floorspace in excess of 1,000 sq. m will be required to use the **Defra metric** or locally approved Biodiversity Impact Assessment Metric to demonstrate any loss or gain of biodiversity*' [our emphasis].
- 2.2. The BIA calculation tool requires information on the site pre and post development to determine any change in 'biodiversity units' for 'Habitat units' and 'Hedgerow units' and 'River units'. Where a BIA calculates a *net loss* in biodiversity, and does not provide an offset compensation estimate for the re-creation/restoration of habitats off-site, this can be calculated by a suitable third-party biodiversity offsetting service provider such as the Environment Bank.
- 2.3. Pre development information used to inform the DEFRA 2.0 Biodiversity Impact Calculation Tool has been based on the results of the Phase 1 habitat survey set out within Aspect Ecology's Ecological Appraisal dated June 2019 and a more recent botanical assessment of grassland fields F3 and F4 undertaken by Blackstone Ecology (see Aspect Ecology's Technical Note TN02 Biodiversity Impact Assessment dated 06 July 2020). Whilst an update Phase 1 habitat survey of the remainder of the site was undertaken in April 2020, no significant changes to the habitats or their condition was recorded that would necessitate adjustment to the 2019 pre-development information (see Pre-development Metric Habitat Plan at Annex 5263/2). Post development information has been taken from the illustrative Master Plan Drg 10-048-01-SGP-XX-OO-DR-A-1006-P13, to which Aspect Ecology has applied indicative landscaping (see Post-development Metric Habitat Plan at Annex 5263/3).

Parameters, Input Updates, and Proxy Inputs

- 2.4. **Parameters and Input Updates.** The BIA Calculator has been completed following the guidance set out within 'The Biodiversity Metric 2.0 (Beta version) auditing and accounting for biodiversity user guide' published 29 July 2019 and 'The Biodiversity Metric 2.0 (Beta version) auditing and accounting for biodiversity technical supplement' published 29 July 2019.
- 2.5. A systematic review of the input information, referencing, justifying and discussing the habitat categories and their condition chosen from the drop-down menus of the BIA calculator, is provided within Technical Note TN02 Biodiversity Impact Assessment dated 06 July 2020. However, the following updates have been made to the BIA which focus on the enhancement of retained habitats, the potential for which arises under the current scheme due to the retention of an area in the south-west of the site for archaeological interest:

A-1 Site Habitat Baseline & A-3 Site Habitat Enhancement

- **Ref 3 Grassland - Other Neutral Grassland:** 2.008ha of this habitat will be retained and enhanced from 'moderate' to 'good' condition.
- **Ref 4 Grassland - Other Neutral Grassland:** 2.9962ha of this habitat will be retained and enhanced from 'moderate' to 'good' condition.
- **Ref 5 Grassland - Modified Grassland:** 0.1592ha of this habitat will be retained and enhanced to 'Grassland - Other Neutral Grassland' of 'good' condition.

B-1 Site Hedge Baseline & B-3 Site Hedge Enhancement

- **Ref 3 Native Hedgerow:** 0.1727km of 'Native hedgerow' of 'moderate condition' will be retained and enhanced to 'Native Species-rich Native Hedgerow' in 'good' condition.

C-1 Site River Baseline & B-3 Site River Enhancement

- **Ref 1 River & Streams (other):** 0.29km of this habitat will be retained and enhanced from 'fairly poor' to 'good' condition.

- 2.6. **Proxy Input.** The non-functionality of the DEFRA metric when a habitat of 'very high distinctiveness' results in loss and thus the requirement to utilise a proxy input to achieve an output is discussed in detail within Aspect Ecology's Technical Note TN02 Biodiversity Impact Assessment dated 06 July 2020, specifically in respect of Lowland Meadow. The approach has been replicated for this BIA.

3. DEFRA Metric Output

- 3.1. Worksheets from the completed DEFRA 2.0 Biodiversity Impact Assessment Calculation Tool are provided at Annex 5263/1. The completed calculator can be made available to Milton Keynes Council on request.
- 3.2. Based on the Illustrative Masterplan and Post-development Metric Habitat Plan at Annex 5263/2, the following net unit/% change in biodiversity would be achieved:
- Total net unit change in **Habitat units** of -105.71, equating to a % change of -47.97%.
 - Total net unit change in **Hedgerows units** of -5.30, equating to a % change of -22.04%
 - Total net unit change in **River units** of -2.27, equating to a % change of -39.99%.

4. Consultation with the Environment Bank

- 4.1. The Environment Bank has been approached to provide a quotation for a biodiversity compensation scheme to offset the biodiversity impact of the proposals, based on the results of the metric calculations undertaken in November 2019, July 2020 and September 2020.
- 4.2. The DEFRA 2.0 Biodiversity Impact Calculation Tool has been provided to the Environment Bank, who have confirmed they are able to bring forward a scheme exceeding biodiversity units set out at para. 3.2 above and therefore achieving biodiversity net gain for the proposals. This would also include a 30 year costed management and monitoring plan and monitoring and oversight of the offset site over 30 years with reporting to the LPA.
- 4.3. The biodiversity compensation scheme proposes to target the creation/restoration of grassland to Lowland Meadow within the Milton Keynes authority, in combination with the enhancement of a wider mosaic of habitats. The Environment Bank has confirmed a minimum threshold for the extent of Lowland Meadow creation/restoration can be set, in order to achieve a minimum 33% increase over the calculated Lowland Meadow biodiversity units lost from the site. This would contribute to the local BAP target to increase Lowland Meadow in Buckinghamshire and Milton Keynes by 33%¹.

Annexes:

Annex 5263/1 – Completed BIA Calculator

Annex 5263/2 – 5263/BIA1 Pre-development Metric Habitat Plan

Annex 5263/3 – 5263/BIA2 Post-development Metric Habitat Plan Rev D

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¹ Forward to 2020: Buckinghamshire and Milton Keynes Biodiversity Action Plan

Annex 5263/1:

Completed BIA Calculator

On-site baseline	<i>Habitat units</i>	220.40
	<i>Hedgerow units</i>	24.06
	<i>River units</i>	5.68

On-site post-intervention (Including habitat retention, creation, enhancement & succession)	<i>Habitat units</i>	114.68
	<i>Hedgerow units</i>	18.76
	<i>River units</i>	3.41

Off-site baseline	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00

Off-site post-intervention (Including habitat retention, creation, enhancement & succession)	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00

Total net unit change (including all on-site & off-site habitat retention/creation)	<i>Habitat units</i>	-105.71
	<i>Hedgerow units</i>	-5.30
	<i>River units</i>	-2.27

Total net % change (including all on-site & off-site habitat creation + retained habitats)	<i>Habitat units</i>	-47.97%
	<i>Hedgerow units</i>	-22.04%
	<i>River units</i>	-39.99%

South Caldecotte
Detailed Results

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Summary Figures

Net project biodiversity units <small>(including all on-site & off-site habitat retention/creation)</small>	Habitat units	-105.71
	Hedgerow units	-5.30
	River units	-2.27

Total project biodiversity % change <small>(including all On-site & Off-site Habitat Creation + Retained Habitats)</small>	Habitat units	-47.97%
	Hedgerow units	-22.04%
	River units	-39.99%

On-site habitat retention and enhancement

	Habitats	Hedgerow	Rivers
Total site area / length	58.16	5.02	0.71
Total site units	220.40	24.06	5.68

Area / length retained	0.14	0.00	0.00
Units Retained	2.56	0.00	0.00

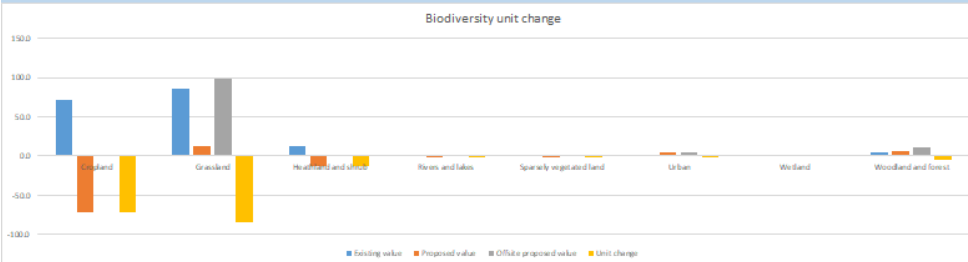
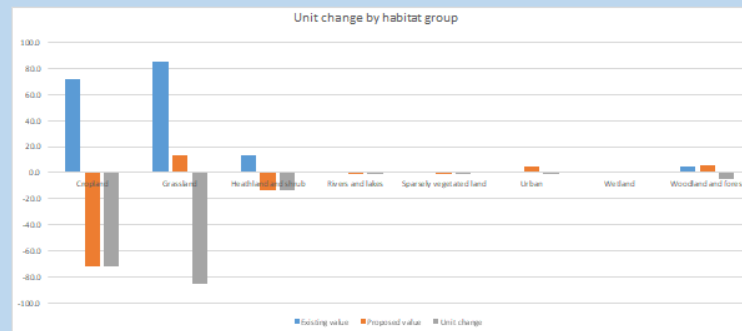
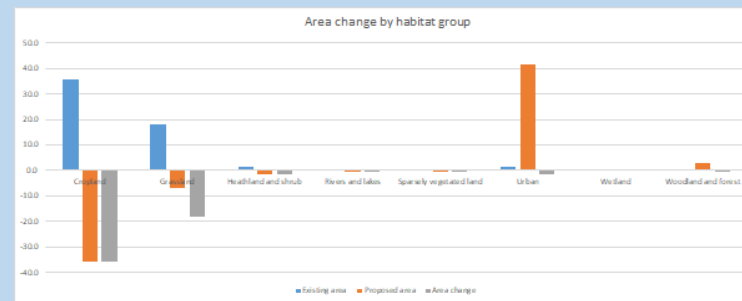
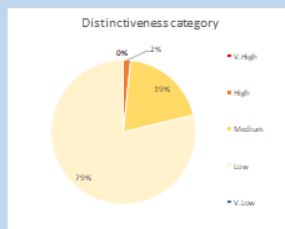
Area / length enhanced	5.16	0.17	0.29
Baseline units enhanced	40.29	0.79	2.32

Area / length succession	0.00
Units succession	0.00

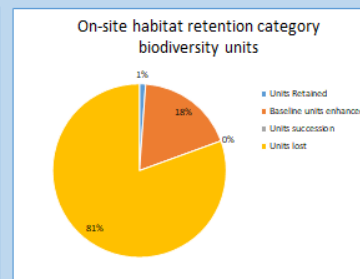
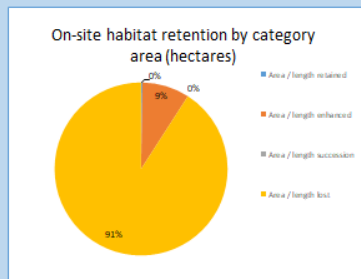
Area / length lost	52.86	4.85	0.42
Units lost	177.54	23.27	3.36

Area lost by distinctiveness band

Category	Area lost (hectares)	Area lost (%)
V.High	0	
High	0.8514	2
Medium	10.0801	20
Low	40.5693	79
V.Low	0	



Habitat group	Pre-development		Post development on site		Post Development off site		Total post development		Change	
	Existing area	Existing value	Proposed area	Proposed value	Proposed area	Offsite proposed value	Proposed area	Proposed value	Area change	Unit change
Cropland	35.6	71.6	-35.6	-71.6	0.0	0.0	0.0	0.0	-35.6	-71.6
Grassland	18.3	85.4	-6.9	13.0	11.4	98.4	0.0	0.0	-18.3	-85.4
Heathland and shrub	1.7	13.2	-1.7	-13.2	0.0	0.0	0.0	0.0	-1.7	-13.2
Rivers and lakes	0.2	1.1	-0.2	-1.1	0.0	0.0	0.0	0.0	-0.2	-1.1
Sparsely vegetated land	0.4	0.9	-0.4	-0.9	0.0	0.0	0.0	0.0	-0.4	-0.9
Urban	1.4	0.1	41.6	5.1	43.1	5.2	0.0	0.0	-1.4	-0.1
Wetland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Woodland and forest	0.6	5.2	3.1	5.9	3.7	11.1	0.0	0.0	-0.6	-5.2



South Caldecotte, Milton Keynes

South Caldecotte																															
A-1 Site Habitat Baseline																															
Condense / Show Columns		Condense / Show Rows																													
Main Menu		Instructions																													
Ref	Habitats and areas			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance			Suggested action to address habitat losses	Ecological Total habitat units	Retention category biodiversity value															
	Broad Habitat	Habitat type	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier			Area retained	Area enhanced	Area succession	Baseline units	Baseline units	Baseline units success	Area lost	Units lost								
1	Cropland	Cropland - Cereal crops	35.5711	Low	2	N/A - Agricultural	1	N/A	Assessment not appropriate	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	71.14			0.00	0.00	0.00	35.57	71.14									
2	Urban	Urban - Amenity grassland	0.0582	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	0.12			0.00	0.00	0.00	0.06	0.12									
3	Grassland	Grassland - Other neutral grassland	8.8335	Medium	4	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required	70.67	2.0008		0.00	16.01	0.00	6.83	54.66									
4	Grassland	Grassland - Other neutral grassland	4.0306	Medium	4	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required	32.24	2.9962		0.00	23.97	0.00	1.03	8.28									
5	Grassland	Grassland - Modified grassland	4.642	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	9.28	0.1592		0.00	0.32	0.00	4.48	8.97									
6	Cropland	Cropland - Traditional orchards	0.0293	High	6	Moderate	2	Medium	Moderately connected habitat	1.1	Within area formally identified in local strategy	High strategic significance	1.15	Same habitat required	0.44			0.00	0.00	0.00	0.03	0.44									
7	Woodland and forest	Woodland and forest - Other woodland; broadleaved	0.302	Medium	4	Moderate	2	Low	Unconnected habitat	1	Within area formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required	2.78			0.00	0.00	0.00	0.30	2.78									
8	Woodland and forest	Woodland and forest - Other woodland; broadleaved	0.2897	Medium	4	Moderate	2	Low	Unconnected habitat	1	Within area formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required	2.67	0.029		0.26	0.00	0.00	0.26	2.40									
9	Heathland and shrub	Heathland and shrub - Mixed scrub	1.1522	Medium	4	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required	9.22			0.00	0.00	0.00	1.15	9.22									
10	Heathland and shrub	Heathland and shrub - Mixed scrub	0.4978	Medium	4	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required	3.98			0.00	0.00	0.00	0.50	3.98									
11	Urban	Urban - Introduced shrub	0.0123	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	0.02			0.00	0.00	0.00	0.01	0.02									
12	Sparsely vegetated land	Sparsely vegetated land - Ruderal/Ephemeral	0.4449	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	0.89			0.00	0.00	0.00	0.44	0.89									
13	Lakes	Lakes - Ponds (Non - Priority Habitat)	0.1685	High	6	Poor	1	Medium	Moderately connected habitat	1.1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required	1.11			0.00	0.00	0.00	0.17	1.11									
14	Urban	Urban - Developed land; sealed surface	1.3625	V.Low	0	N/A - Other	0	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00			0.00	0.00	0.00	1.36	0.00									
15	Grassland	Grassland - Lowland calcareous grassland	0.7646	High	6	Good	3	Low	Unconnected habitat	1	Within area formally identified in local strategy	High strategic significance	1.15	Same habitat required	15.83	0.111		2.30	0.00	0.00	0.65	13.53									
16																															
17																															
18																															
19																															
Total site area ha			58.16														Total Site baseline						220.40	0.14	5.16	0.00	2.56	40.29	0.00	52.86	177.54

South Caldecotte																
A-2 Site Habitat Creation																
Condense / Show Columns		Condense / Show Rows														
Main Menu		Instructions														
Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity			Strategic significance			Temporal multiplier		Difficulty multipliers		Habitat units delivered
						Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier	Difficulty of creation category	Difficulty of creation multiplier	
Grassland - Other neutral grassland	2.9216	Medium	4	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	15	0.586	Low	1	20.55
Grassland - Other neutral grassland	3.2141	Medium	4	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	15	0.586	Low	1	22.60
Urban - Amenity grassland	1.362	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0.965	Low	1	2.63
Woodland and forest - Other woodland; broadleaved	3.6481	Medium	4	Good	3	Low	Unconnected habitat	1	Within area formally identified in local strategy	High strategic significance	1.15	32+	0.320	Medium	0.67	10.79
Urban - Sustainable urban drainage feature	0.778	Low	2	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0.837	Medium	0.67	2.62
Urban - Developed land; sealed surface	40.9394	V.Low	0	N/A - Other	0	N/A	Assessment not appropriate	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	1.000	Low	1	0.00
Totals	52.86														Total Units	59.18

South Caldecotte		A-3 Site Habitat Enhancement																				
Condense / Show Columns		Condense / Show Rows																Main Menu		Instructions		
Baseline ref	Baseline habitats	Change in distinctiveness and condition								Post development/ post intervention habitats					Strategic significance			Temporal multiplier		Difficulty multipliers		Habitat units delivered
	Baseline habitat	Proposed habitat (Pre-populated but can be overridden)	Distinctiveness change	Condition change	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity score	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier	Difficulty of enhancement	Difficulty of enhancement			
3	Grassland - Other neutral grassland	Grassland - Other neutral grassland	Medium - Medium	Moderate - Good	2.0008	Medium	4	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	15	0.586	Low	1	20.70		
4	Grassland - Other neutral grassland	Grassland - Other neutral grassland	Medium - Medium	Moderate - Good	2.9362	Medium	4	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	15	0.586	Low	1	30.93		
5	Grassland - Modified grassland	Grassland - Other neutral grassland	Low - Medium	Lower Distinctiveness Habitat - Good	0.1532	Medium	4	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	15	0.586	Low	1	1.25		
					Total site area	5.16														Enhancement total	52.94	

South Caldecotte																								
B-1 Site Hedge Baseline																								
Condense / Show Columns					Condense / Show Rows					Main Menu					Instructions									
Baseline ref	Hedge number	UK Habitats - existing habitats			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance				Ecological baseline Total hedgerow units	Retention category biodiversity value							
		Hedgerow type	length KM	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Suggested action to address habitat losses	Length retained		Length enhanced	Units retained	Units enhanced	Length lost	Units lost			
1		Line of Trees	0.61	Low	2	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy		Low Strategic Significance	1	Same distinctiveness band or better	2.44			0	0	0.61	2.44		
2		Native Species Rich Hedgerow	0.29	Medium	4	Moderate	2	Low	Unconnected habitat	1	Within area formally identified in local strategy		High strategic significance	1.15	Like for like or better	2.668			0	0	0.29	2.668		
3		Native Hedgerow	4.12	Low	2	Moderate	2	Low	Unconnected habitat	1	Within area formally identified in local strategy		High strategic significance	1.15	Same distinctiveness band or better	18.952		0.1727	0	0.79442	3.9473	18.158		
4																								
5																								
6																								
7																								
8																								
Total Site length/KM			5.02														Total Site baseline	24.06	0.00	0.17	0.00	0.79	4.85	23.27

South Caldecotte																			
B-2 Site Hedge Creation																			
Condense / Show Columns					Condense / Show Rows					Main Menu					Instructions				
Baseline ref	New hedge number	Proposed habitats			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance				Temporal multiplier		Difficulty of creation multiplier	Hedge units delivered
		Habitat type	Length km	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier				
1		Native Species Rich Hedgerow	2.5	Medium	4	Good	3	Low	Unconnected habitat	1	Within area formally identified in local strategy		High strategic significance	1.15	10	0.700	0.67	16.19	
2		Line of Trees	0.5	Low	2	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy		Low Strategic Significance	1	30	0.343	1	1.03	
3																			
4																			
5																			
Creation Length/KM			3.00															17.22	

South Caldecotte																						
B-3 Site Hedge Enhancement																						
Condense / Show Columns					Condense / Show Rows					Main Menu					Instructions							
Baseline ref	Baseline Habitats		Proposed	Change in distinctiveness and condition						Ecological connectivity				Strategic significance			Temporal multiplier		Difficulty of enhancement		Hedge units delivered	
	Baseline habitat	Proposed		Distinctiveness movement		Condition movement		Length KM	Distinctiveness	Score	Condition	Score	Ecological connectivity		Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier	Difficulty of enhancement		Priority of Enhancement
				Distinctiveness	Condition	Ecological connectivity	Strategic significance															
3	Native Hedgerow	Native Species Rich Hedgerow	Low - Medium	Lower Distinctiveness	Habitat - Good	0.173	Medium	4	Good	3	Low	Unconnected habitat	1	Within area formally identified in local strategy	High strategic significance	1.15	10	0.700	Medium	0.67	154	
Total site length			0.17															154				

South Caldecotte C-1 Site River Baseline

Condense / Show Columns Condense / Show Rows

Main Menu Instructions

Existing river type			Habitat distinctiveness		Habitat condition		Strategic significance			Suggested action	Ecological baseline	Retention category biodiversity value					
Baseline ref	River type	length KM	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier		Total river units	Length retained	Length enhanced	Units retained	Units enhanced	Length impacted	Units Lost
1	Rivers & Streams (Other)	0.71	Medium	4	Fairly Poor	2	Low potential/ action not identified in any plan.	Low Strategic Significance	1	Avoid	5.68		0.29	0	2.32	0.42	3.36
2																	
3																	
4																	
5																	
6																	
Total site length KM		0.71									5.68	0.00	0.29	0.00	2.32	0.42	3.36

South Caldecotte C-2 Site River Creation

Condense / Show Columns Condense / Show Rows

Main Menu Instructions

Baseline ref	Proposed habitats		Habitat distinctiveness		Habitat condition		Strategic significance			Temporal multiplier		Difficulty of creation category	Difficulty of creation multiplier	Riparian encroachment		River units delivered
	River type	Length km	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier			Extent of encroachment	Multiplier	
1	Rivers & Streams (Other)	0.445	Medium	4	Moderate	3	Low potential/ action not identified in any plan.	Low Strategic Significance	1	5	0.837	High	0.33	8+ m	0.75	1.11
2																
3																
4																
5																
Creation Length/KM		0.45														1.11

South Caldecotte C-3 Site River Enhancement

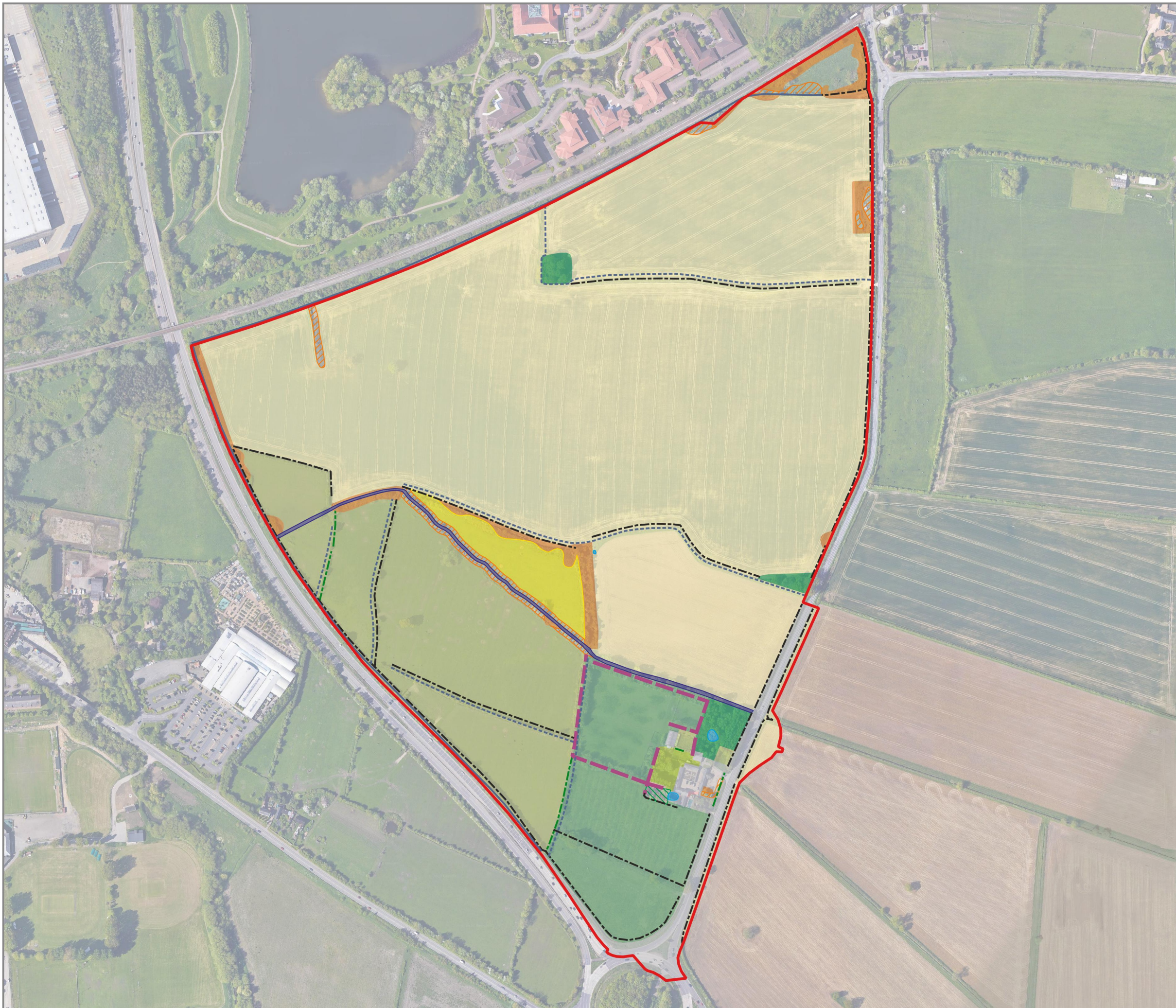
Condense / Show Columns Condense / Show Rows

Main Menu Instructions


















Baseline ref	Baseline habitats		Proposed populated can be overridden	Change in distinctiveness and condition	Length KM	Post development/ post intervention habitats					Strategic significance		Temporal multiplier		Difficulty multipliers		Riparian encroachment		River units delivered
	Baseline habitat	(Pre-)				Distinctiveness movement	Condition movement	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier	Difficulty of enhancement category	Difficulty of enhancement multiplier	
1	Rivers & Streams (Other)	Rivers & Streams (Other)		Medium - Medium	0.29	Medium	4	Moderate	3	Low potential/ action not identified in any plan.	Low Strategic Significance	1	1	0.965	Medium	0.67	8+ m	0.75	2.30
					0.29														
																	Enhancement total	2.30	

Annex 5263/2:

Plan 5263/BIA1 – Pre-development Metric Habitat Plan



Key:

-  Site Boundary
-  Cropland - Cereal Crops
-  Urban - Amenity Grassland
-  Grassland - Other Neutral Grassland
-  Grassland - Modified Grassland
-  Grassland - Lowland Meadows (Proxy Input: Grassland - Lowland Calcareous Grassland)
-  Cropland - Traditional Orchard
-  Woodland and Forest - Other Woodland; Broadleaved
-  Heathland and Shrub - Mixed Shrub
-  Urban - Introduced Shrub
-  Sparsely Vegetated Land - Ruderal/Ephemeral
-  Lakes - Ponds (Non-Priority Habitat)
-  Line of Trees
-  Native Species-rich Hedgerow
-  Native Hedgerow
-  Urban - Development Land; Sealed Surface
-  Rivers and Streams (Other)



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South Caldecotte	PROJECT
Pre-development Metric Habitat Plan	TITLE
5263/BIA1	DRAWING NO.
B	REV
July 2020	DATE



Annex 5263/3:

Plan 5263/BIA2 – Post-development Metric Habitat Plan

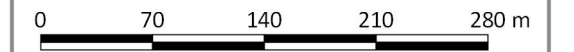


Key:

- Site Boundary
- Grassland: Other Neutral Grassland (Species Rich)
- Grassland: Other Neutral Grassland
- Urban: Amenity Grassland
- Woodland & Forest: Other Woodland
- River & Streams (Other)
- Urban - Sustainable Urban Drainage Feature
- Urban - Development Land; Sealed Surface

Retained Habitats:

- River & Streams (Other)
- Hedgerow
- Woodland & Forest: Other Woodland
- Grassland: Modified Grassland
- Grassland: Other Neutral Grassland
- Grassland: Lowland Meadow (Identified in metric as Grassland: Lowland Calcareous Grassland)



Application Line
58.13h; 143.64Ac



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South Caldecotte	PROJECT
Post-development Metric Habitat Plan	TITLE
5263/BIA2	DRAWING NO.
	REV
September 2020	DATE



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