

The Biodiversity Metric 4.0 - Calculation Tool
Start page

Project details			
Planning authority:	Charnwood Borough Council		
Project name:	Leicester Road, Markfield		
Applicant:	Charterpoint		
Application type:	Full		
Planning application reference:	P/23/2197/2		
Completed by:	Victoria Halford, Senior Ecologist		
Date of metric completion:	08.10.2024		
Reviewer:	Kinzie Watts, Principal Ecologist		
Version control:			
Consenting body reviewer:			
Date of consenting body review:			
Target % net gain:	10%		
Irreplaceable habitat present on-site at baseline:		You must specify if irreplaceable habitats are on-site at baseline ▲	
Total site area (including irreplaceable habitat area):	1.15	Irreplaceable habitat area at baseline:	0.00

Instructions

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

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On-site baseline map reference number	
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On-site post-intervention map reference number	
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Off-site baseline map

Off-site baseline map reference number	
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Off-site post intervention map

Off-site post-intervention reference number	
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Key

Area habitats

Hedgerows and lines of trees

Watercourses

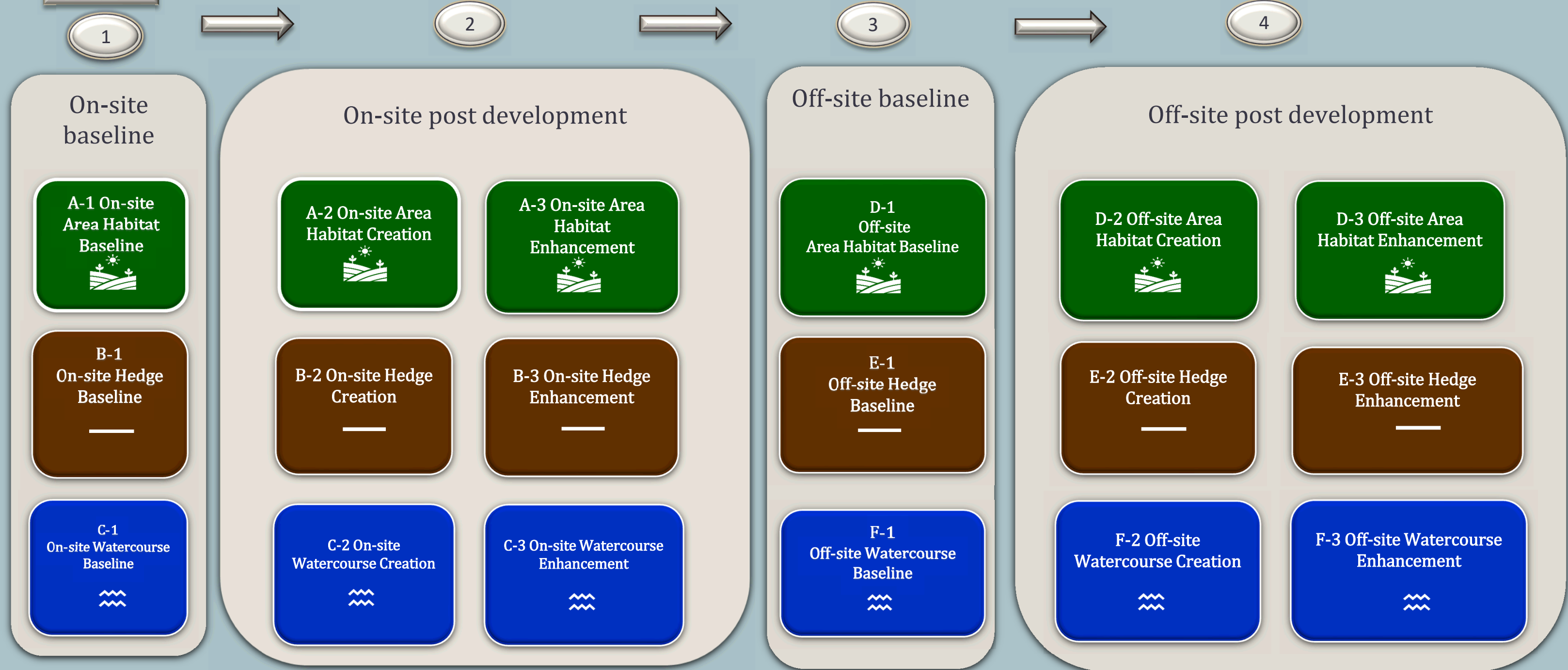
The Biodiversity Metric 4.0 - Calculation Tool

Main menu

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- Instructions
- Technical data
- Results

Tree helper						
Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small		0.0000	9	0.0366		0.0000
Medium		0.0000		0.0000		0.0000
Large	1	0.0765		0.0000		0.0000
Total	1	0.0765	9	0.0366	0	0.0000

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Results

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Headline results

Detailed results

Habitat trading
summaries

Off-site
summary

Leicter Road, Markfield

Headline Results

Scroll down for final results ☐

Return to results menu

Errors flagged below - please investigate further ▲

On-site baseline	Habitat units	11.85		
	Hedgerow units	4.83		
	Watercourse units	0.54		
On-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units	7.26		
	Hedgerow units	4.64		
	Watercourse units	0.54		
On-site net change (units & percentage)	Habitat units	-4.59	-38.77%	On-site net gain is less than target set ☐
	Hedgerow units	-0.19	-3.94%	On-site net gain is less than target set ☐
	Watercourse units	0.00	0.00%	On-site net gain is less than target set ☐

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	-4.59		
	Hedgerow units	-0.19		
	Watercourse units	0.00		
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	-4.59		
	Hedgerow units	-0.19		
	Watercourse units	0.00		
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	-38.77%	Total net gain achieved is less than target set ☐	
	Hedgerow units	-3.94%	Total net gain achieved is less than target set ☐	
	Watercourse units	0.00%	Total net gain achieved is less than target set ☐	

Trading rules satisfied?

No - Check Trading Summaries ▲

You must specify if irreplaceable habitats are on-site at baseline ▲

Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Habitat units	10.00%	11.85	13.04	5.78
Hedgerow units	10.00%	4.83	5.31	0.67
Watercourse units	10.00%	0.54	0.59	0.05

Net project biodiversity % change (Including all on-site & off-site habitat restoration + creation)		Habitat units -4.50
Total on-site and off-site baseline units (creation)		Habitat units -2.19
Total project biodiversity % change (Including all on-site & off-site biodiversity + retained habitat)		Habitat units -28.75%
		Habitat units 3.04%
		Habitat units 0.00%
Combined habitat retention and enhancement		
	Wetlands	Wetlands
Total on-site and off-site baseline units (baseline)	1.07	0.06
Total on-site and off-site baseline units (retained)	1.04	0.04
Total on-site and off-site baseline units (length retained)	0.50	0.07
Total on-site and off-site baseline units (created)	0.54	0.01
Active + length proposed for enhancement	0.08	0.00
Baseline units retained in enhancement	0.02	0.00
Total on-site and off-site baseline units (length lost)	0.59	0.09
Total on-site and off-site baseline units (lost)	0.59	0.30
Total on-site and off-site baseline units (lost)	0.59	0.30

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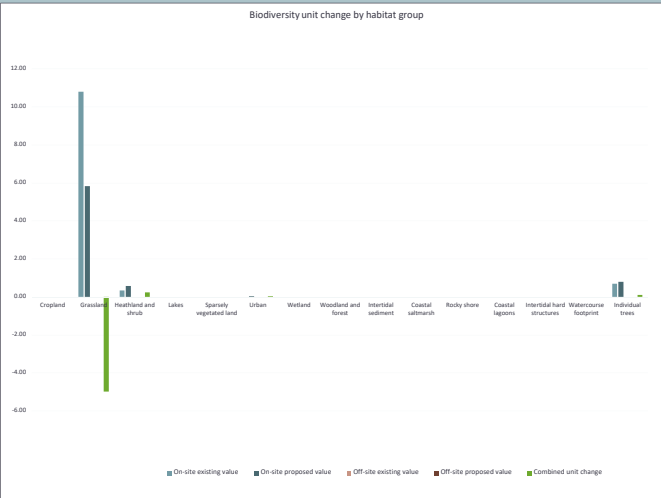
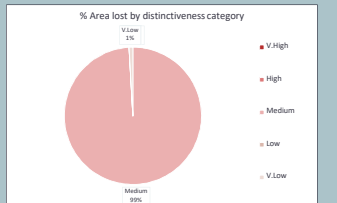
Hedge type	Combined on-site and off-site change by hedge type					
	Baseline		Post-fire percent		Change	
	Combined existing length	Combined existing value	Combined proposed length	Combined proposed value	Combined length change	Combined value change
Species native to habitats with trees associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Species native to habitats with trees associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Species native to habitats associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native to habitats associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Species native to habitats associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native to habitats associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native to habitats with trees	0.07	0.73	0.07	0.57	0.00	0.00
Native to habitats with trees	0.07	0.73	0.07	0.57	0.00	0.00
Ecologically valuable trees of trees associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native to habitats	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and nonconserved habitats	0.00	0.00	0.00	0.00	0.00	0.00
Link of trees associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and nonconserved habitats	0.00	0.00	0.00	0.00	0.00	0.00

Watersource type	On-site change by watersource type					
	Baseline		Prel-development on site		Debate Change	
	Debate existing length	Debate existing value	Debate proposed length	Debate proposed value	Debate length change	Debate value change
Priority habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other rivers and streams	0.1	0.5	0.1	0.5	0.0	0.0
Ditches	0.0	0.0	0.0	0.0	0.0	0.0
Creeks	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0

Off-site change by watercourse type						
Watercourse type	Baseline		Post development off-site		Off-site Change	
	Off-site existing length	Off-site existing value	Off-site proposed length	Off-site proposed value	Off-site length change	Off-site unit change
Priority habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other rivers and streams	0.0	0.0	0.0	0.0	0.0	0.0
Ditches	0.0	0.0	0.0	0.0	0.0	0.0
Canals	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0

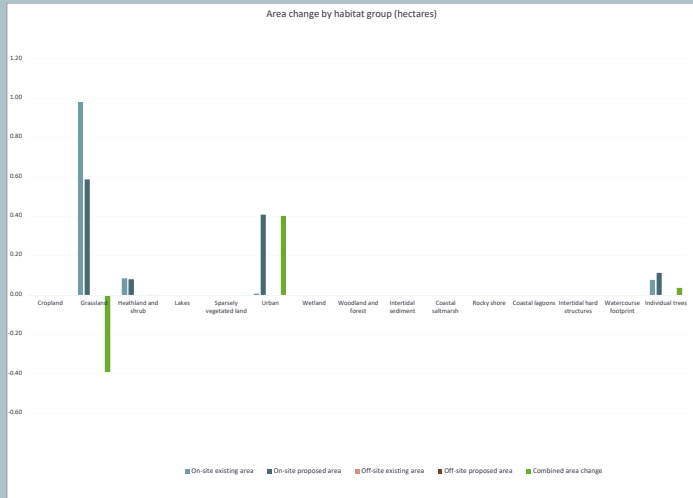
Combined on-site and off-site change by watercourse type						
Watercourse type	Baseline		Post-development on-site		On-site change	
	Combined existing length	Combined existing value	Combined proposed length	Combined proposed value	Combined length change	Combined unit change
Priority habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other rivers and streams	0.1	0.5	0.1	0.5	0.0	0.0
Ditches	0.0	0.0	0.0	0.0	0.0	0.0
Creeks	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0

Combined area lost by distinctiveness band		
Category	Area lost (hectares)	Area lost (%)
V.High	0	
High	0	
Medium	6.474	99
Low	0	
V.Low	8.896	1

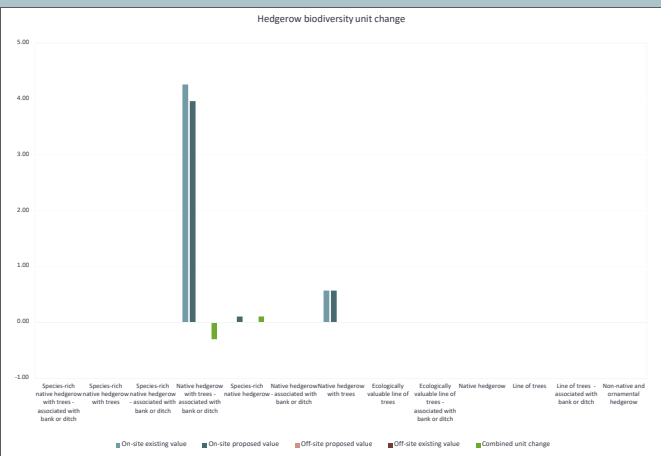
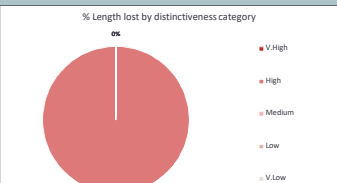


On-site and off-site habitat retention by category area (hectares)

Category	Value
Total on-site and off-site baseline area / length retained	0.39
Area / length prepared for enhancement	0.08
Total on-site and off-site baseline area / length lost	0.68

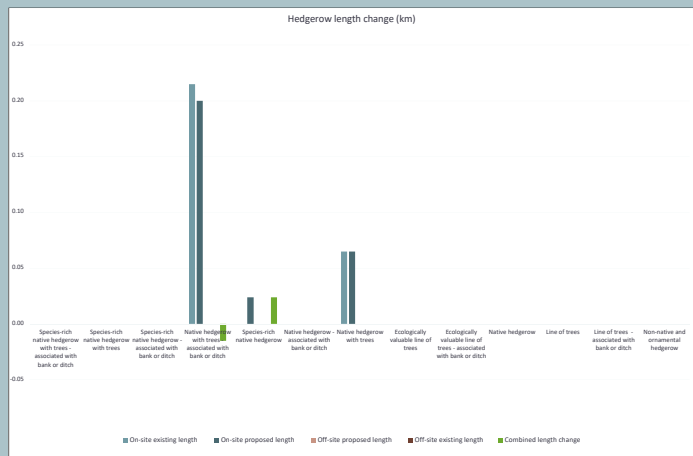


Combined length lost by distinctiveness band		
Category	Length lost (km)	Length lost (%)
V.High	0	
High	8.815	100
Medium	0	
Low	0	
V.Low	0	

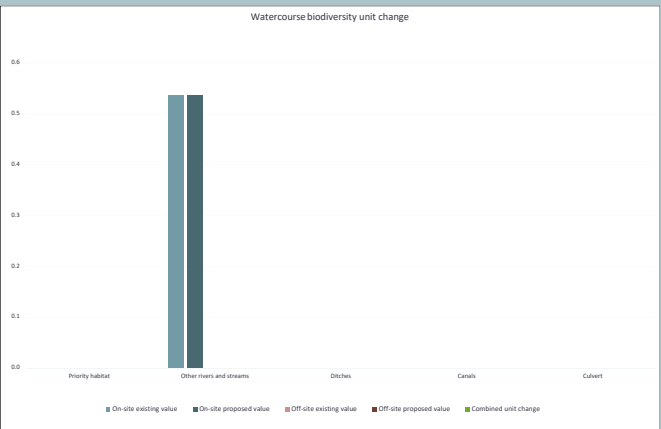


On-site and off-site hedge retention by category length (km)

Category	Retention Value
Total on-site and off-site	0.27
Area / length associated for	0.00
Total on-site and off-site	0.02

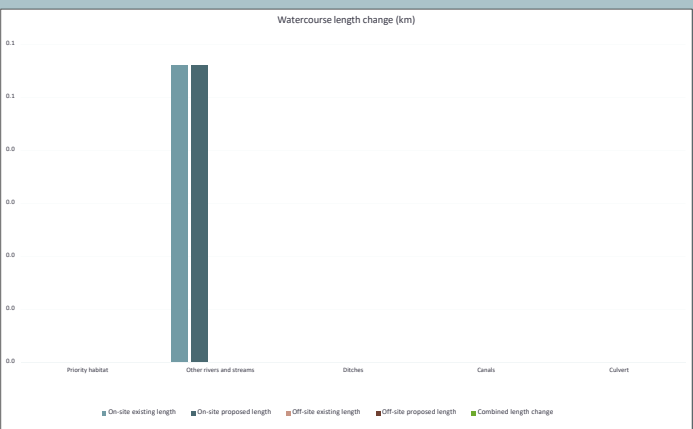


Combined length lost by distinctiveness band		
Category	Length lost (km)	Length lost (%)
Very High	0	
High	0	
Medium	0	
Low	0	



Watercourse length retained, proposed for enhancement or lost (length km)

Category	Value (approx.)
Total on-site and off-site baseline area / length retained	0.055
Area / length proposed for enhancement	0.00
Total on-site and off-site baseline area / length lost	0.055



Return to results menu	Trading Summary			
	Distinctiveness Group	Trading Rule		Trading Satisfied?
	Very High	Biosphere compensation likely to be required		Yes
	High	Same habitat required =		Yes
Trading summary hedgerows	Medium	Same broad habitat or a higher distinctiveness habitat required (1)		No
	Low	Same distinctiveness or better habitat required ≥		No

Very High Distinctiveness				
Habitat group	Group	On-site unit change	Off-site unit change	Project-wide unit change
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 mixed 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 mire and quaking bog (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 swards on peat, clay or chalk	Intertidal sediment	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

High Distinctiveness				
Habitat group	Group	On-site unit change	Off-site unit change	Project-wide unit change
Grassland - Traditional orchards	Grassland	0.00	0.00	0.00
Grassland - Floodplain wetland mosaic and CFCM	Grassland	0.00	0.00	0.00
Grassland - Lowland calcareous grassland	Grassland	0.00	0.00	0.00
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 - Downs 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 - Low 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 - 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 dune	Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land - Island 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 - Fenbeds	Wetland	0.00	0.00	0.00
Woodland and forest - Felled	Woodland and forest	0.00	0.00	0.00
Woodland and forest - Lowland beech and ash 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 hardwoods	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 - Muscleds	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
		0.00	0.00	0.00

High Distinctiveness Summary	
High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Unit Deficit: Lake for like not satisfied	0.00

Medium Distinctiveness				
Habitat group	Group	On-site unit change	Off-site unit change	Project wide unit change
Cropland - Arable field margins cultivated annually	Cropland	0.00	0.00	0.00
Cropland - Arable field margins game bird mix	Cropland	0.00	0.00	0.00
Cropland - Arable field margins pollen and nectar	Cropland	0.00	0.00	0.00
Cropland - Arable field margins tussocky	Cropland	0.00	0.00	0.00
Grassland - Other lowland acid grassland	Grassland	0.00	0.00	0.00
Grassland - Other neutral grassland	Grassland	-5.50	0.00	-5.50
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
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
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
Urban - Cemeteries and churchyards	Urban	0.00	0.00	0.00
Urban - Biodiverse green roof	Urban	0.00	0.00	0.00
Individual trees - Urban tree	Individual trees	0.10	0.00	0.10
Individual trees - Rural tree	Individual trees	0.00	0.00	0.00
Woodland and forest - Other Scots pine woodland	Woodland and forest	0.00	0.00	0.00
Woodland and forest - Other woodland/broadleaved	Woodland and forest	0.00	0.00	0.00
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
Intertidal sediment - Littoral sand	Intertidal sediment	0.00	0.00	0.00
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (OGGI)	Intertidal hard structures	0.00	0.00	0.00
		-5.15	0.00	-5.15

Medium Distinctiveness Summary	
Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit	0.35
Medium Distinctiveness Broad Habitat Deficit to be offset by trading up	-5.50
Higher Distinctiveness Surplus Units minus Medium Distinctiveness Broad Habitat Deficit	-5.50
Cumulative surplus of units	-5.15

Low Distinctiveness				
Habitat group	Group	On-site unit change	Off-site unit change	Project wide unit change
Cropland - Cereal crops	Cropland	0.00	0.00	0.00
Cropland - Horticulture	Cropland	0.00	0.00	0.00
Cropland - Intensive orchards	Cropland	0.00	0.00	0.00
Cropland - Non-cereal crops	Cropland	0.00	0.00	0.00
Cropland - Temporary grass and clover leys	Cropland	0.00	0.00	0.00
Cropland - Winter stubble	Cropland	0.00	0.00	0.00
Grassland - Modified grassland	Grassland	0.00	0.00	0.00
Grassland - Bescles	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 - Fens/ephemerat	Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land - Tall fens	Sparsely vegetated land	0.00	0.00	0.00
Urban - Bioscience	Urban	0.00	0.00	0.00
Urban - Bare ground	Urban	0.00	0.00	0.00
Urban - Allotments	Urban	0.00	0.00	0.00
Urban - Fences-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 - Intensive green roof	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
		0.55		0.55

Low Distinctiveness Summary	
Low Distinctiveness net change in units	0.55
Cumulative surplus of units	-4.59

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Trading summary Area Habitats

Trading summary Watercourses

Trading Summary		
Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required =	Yes ✓
High	Like or better habitat	No ✗
Medium	Same distinctiveness or better habitat required	Yes ✓
Low/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
Unit Deficit; 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	0.00	0.00	0.00
Species-rich native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees - associated with bank or ditch	-0.30	0.00	-0.30
	-0.30	0.00	-0.30

High Distinctiveness Summary	
High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
High Distinctiveness Deficit to be offset by trading up	-0.30
Higher Distinctiveness surplus units minus any high distinctiveness deficit	0.30

Medium Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Species-rich native hedgerow	0.11	0.00	0.11
Native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees	0.00	0.00	0.00
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
	0.11	0.00	0.11

Medium Distinctiveness Summary	
Units available from higher distinctiveness habitats	0.00
Medium Distinctiveness net change in units	0.11
Cumulative availability of units	0.11

Low/Very Low Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Native hedgerow	0.00	0.00	0.00
Line of trees	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00
Non-native and ornamental hedgerow	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	0.11

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Trading summary Area Habitats

Trading summary hedgerows

Trading Summary		
Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Bespoke compensation likely to be required ☒	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

High Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Other rivers and streams	0.00	0.00	0.00
	0.00	0.00	0.00

High Distinctiveness Summary	
High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Unit Deficit; 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
Unit Deficit; 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	0.00

Project Name: Leicester Road, MarkfieldMap Reference:

A-1 On-Site Habitat Baseline

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Area habitat summary

Total Net Unit Change

-4.59

Total Net % Change

-38.77%

Trading Rules Satisfied

No - check trading summaries ▲

Ref	Broad Habitat	Habitat Type	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic Significance multiplier	Required Action to Meet Trading Rules	Ecological baseline
				Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic Significance multiplier		Total habitat units
1	Grassland	Lowland meadows	0.13	V.High	8	Good	3	Formally identified in local strategy	High strategic significance	1.15	Bespoke compensation likely to be required ✖	3.59
2	Grassland	Other neutral grassland	0.52	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (≥)	4.78
3	Heathland and shrub	Mixed scrub	0.08	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.32
4	Urban	Developed land; sealed surface	0.006	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00
5	Heathland and shrub	Mixed scrub	0.004	Medium	4	Poor	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.02
6	Grassland	Other neutral grassland	0.2	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (≥)	1.84
7	Grassland	Other neutral grassland	0.13	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (≥)	0.60
8	Individual trees	Rural tree	0.0765	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (≥)	0.70
9												
10												
11												
12												
		Total habitat area	1.15									11.85
		Site Area (Excluding area of Individual trees and Green walls)	1.07									

M² to hectares conversion tool:

Select a unit

Hectares

M²

Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments		
Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost		User comments	Consenting body comments	GIS reference number
0.13	0	3.59	0.00	0.00	0.00		Area qualifies as LWS status due to the presence of 10 indicator species listed in the guidelines for the selection of local wildlife site in Leicester, Leicestershire and Rutland. Keys out as UKHAB g3c6 grassland, passing essential criteria 1. Area considered to qualify as LWS and therefore strategic significance multiplier applied.		
0.18	0	1.66	0.00	0.34	3.13		Area does not have the same level of species diversity as the southeastern grassland field. Area displayed 6 indicators species, not greater than frequent. Area considered enhanceable using management techniques to improve diversity of forbs. Area to be largely lost under the proposals as will support the proposed residential care home building. Retained grassland down towards scrub and southern grassland. Strategic significance multiplier added to account for LWS status applied following consultation.		
0	0.08	0.00	0.32	0.00	0.00		Area of scrub around the onsite stream. Area dominated by bramble and blackthorn, disqualified from bramble scrub classification. Area poor as passes 2 criteria (C, D)		
0	0	0.00	0.00	0.01	0.00		Two stable buildings present within the site - both to be lost under the proposals		
0	0	0.00	0.00	0.00	0.02		Area of scrub in the north western corner of the scheme - area poor, only passes criteria C and D. Area to be lost under the proposals. 0.004 to be lost to grassland creation around site entrance. 0.001 to be lost to facilitate access		
0	0	0.00	0.00	0.20	1.84		Corresponds to area along northeastern site boundary. The area does not have the same level of species diversity as the south-eastern grassland field. Area displayed 6 indicators species, not greater than frequent. Area considered enhanceable using management techniques to improve diversity of forbs. Area to be largely retained by the scheme and will not be used by residents of the proposed development. Strategic significance multiplier added to account for LWS status applied following consultation.		
0	0	0.00	0.00	0.13	0.60		Area of grassland in the north western corner of the site. Area considered to support similar species composition as other areas of grassland within the site, however, the grassland failed to meet the close specification for the UKHab classification, and there was significant poaching in this area reducing its quality. This area is eligible for enhancement under the scheme, and will be fenced off during construction as it lies within the RPA of the adjacent tree line. Strategic significance multiplier added to account for LWS status applied following consultation.		
0.0765	0	0.70	0.00	0.00	0.00		Single large oak tree in the southern extent of the site - to be fully retained and protected. Considered to qualify as LWS in own right following discussions as part of consultation process.		
0.39	0.08	5.95	0.32	0.68	5.58				

Total area lost (excluding area of Individual trees and Green walls)

0.68

Project Name: Leicester Road, Markfield Map Reference:	
A-2 On-Site Habitat Creation	
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Area habitat summary	
Total Net Unit Change	-4.59
Total Net % Change	-38.77%
Trading Rules Satisfied	No - check trading summaries ▲
Area Check (excluding individual trees and green walls)	Area Acceptable ✓

Post development/ post intervention habitats																							GIS reference number
Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness		Condition		Strategic significance			Temporal multiplier						Difficulty multipliers				Habitat units delivered	Comments		
			Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier	Standard time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final time to target multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied		User comments	Consenting body comments	
Urban	Developed land; sealed surface	0.39	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	0	Standard time to target condition applied	0	1.000	Low	Standard difficulty applied	Medium	0.67	0.00	New car home, parking and access.		
Grassland	Other neutral grassland	0.01	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	0.07	Area of scrub at site entrance that will be cleared and set to grassland, seeds to be used from retained grassland within the site from hay cuts management		
Grassland	Modified grassland	0.268	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0	0	Standard time to target condition applied	1	0.965	Low	Standard difficulty applied	Low	1	0.52	Area of modified grassland proposed around the footprint of the building, area to be impacted by construction activities and reseeded with species rich seed mix. Area likely to be highly polestrained and therefore unlikely to achieve higher distinctiveness		
Urban	Introduced shrub	0.018	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0	0	Standard time to target condition applied	1	0.965	Low	Standard difficulty applied	Low	1	0.03	Area of 'garden' within the scheme, anticipated to be planted with ornamental species		
Individual trees	Urban tree	0.0366	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Low	Standard difficulty applied	Low	1	0.10	Nine small trees proposed within the development footprint, associated with the gardens of the new care home		

Site Area (Excluding area of Individual trees and Green walls)	0.69		
M ² to hectares conversion tool:	Select a unit	Hectares	M ²

Project Name: Letcher Road, Markfield Map Reference:										Area habitat summary														
A-3 On-Site Habitat Enhancement										Total HCU Value					HCU Total									
Condense / Show Columns					Condense / Show Rows					Total HCU Change					Net: check trading summary &									
Main Menu					Instructions																			
Baseline ref	Baseline habitat	Total habitat area (hectares)	Baseline habitats							Proposed Habitat (Pre-populated but can be overridden)														
			Baseline distinctiveness band	Baseline distinctiveness score	Baseline condition category	Baseline condition score	Baseline strategic significance category	Baseline strategic significance score	Baseline habitat units	Required Action to Meet Trading Rule	Proposed Broad Habitat	Proposed habitat	Distinctiveness change	Condition change	Area (hectares)	Distinctiveness	Score	Condition	Score					
										Post development post intervention habitat														

Project Name: Leicester Road, Markfield Map Reference:
B-1 On-Site Hedge Baseline

Hedgerow summary	
Total Net Unit Change	-0.19
Total Net % Change	-3.94%
Trading Rules Satisfied	No - check trading summary ▲

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Baseline ref	Existing hedgerow habitats			Distinctiveness	Condition	Strategic significance	Required Action to Meet Trading Rules	Ecological baseline
	Hedge number	Hedgerow type	Length (km)	Distinctiveness	Condition	Strategic significance		Total hedgerow units
1	North	Native hedgerow with trees	0.065	Medium	Moderate	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.57
2	West	Native hedgerow with trees - associated with bank or ditch	0.215	High	Good	Location ecologically desirable but not in local strategy	Like for like or better	4.26
3								
4								
5								
6								
7								
			0.28				4.83	

Retention category biodiversity value						Comments		
Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Consenting body comments	GIS reference number
0.065	0	0.57	0.00	0.00	0.00	hedgerow along northern boundary, with trees, to be fully retained		
0.2	0	3.96	0.00	0.02	0.30	hedgerow along site frontage to be retained with exception of 15m area to be cleared for access		
0.27	0.00	4.53	0.00	0.02	0.30			

Project Name: Leicester Road, Markfield Map Reference:

B-2 On-Site Hedge Creation

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Hedgerow summary	
Total Net Unit Change	-0.19
Total Net % Change	-3.94%
Trading Rules Satisfied	No - check trading summary ▲

		Proposed habitats		Distinctiveness		Condition		Strategic significance			Temporal multiplier						Difficulty risk multipliers				Hedge units delivered	Comments		
Baseline ref	New hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier	Standard Time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final time to target multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied		User comments	Consenting body comments	GIS reference number
1	A	Species-rich native hedgerow	0.005	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	0.03	Gap filling of existing access in the south western site boundary		
2	B	Species-rich native hedgerow	0.019	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0	0	Standard time to target condition applied	1	0.965	Low	Standard difficulty applied	Low	1	0.07	New hedgerow proposed around area of neutral grassland creation in the north west of the site		
3																								
4																								
5																								
6																								
7																								
			0.02																				0.11	

Project Name: Leicester Road, Markfield Map Reference:

C-1 On-Site WaterC' Baseline

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Watercourse summary	
Total Net Unit Change	0.00
Total Net % Change	0.00%
Trading Rules Satisfied	Yes ✓

Existing watercourse type			Distinctiveness		Condition		Strategic significance			Watercourse encroachment		Riparian encroachment		Required Action to Meet Trading Rules	Ecological baseline
Baseline ref	Watercourse type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Extent of encroachment	Multiplier	Extent of encroachment for both banks	Multiplier		Total watercourse units
1	Other rivers and streams	0.056	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	No Encroachment/ No Encroachment	1	Same habitat required =	0.54
2															
3															
4															
5															
6															
		0.06													
															0.54

Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments		GIS reference number
Length retained	Length enhanced	Units retained	Units enhanced	Length Lost	Units Lost		User Comments	Consenting body comments	
0.056		0.54	0.00	0.00	0.00		Low risk conditon assessment applied as development lies beyond the 10m buffer		
0.06	0.00	0.54	0.00	0.00	0.00				