The Statutory Biodiversity Metric
Start page

Project details			
Planning authority:			
Project name:	Mackley Field		
Applicant:			
Application type:			
Planning application reference:			
Completed by:	Will Mills ACIEEM		
Date of metric completion:	13/11/20224		
Reviewer:			
Calculation iteration:			
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):	0.08	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

Key

Area habitats

Hedgerows and lines of trees

Watercourses

The Statutory Biodiversity Metric
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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		0.0000		0.0000
Medium		0.0000	1	0.0163		0.0000
Large		0.0000		0.0000		0.0000
Very large		0.0000		0.0000		0.0000
Total	**0**	**0.0000**	**1**	**0.0163**	**0**	**0.0000**

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1 → 2 → 3 → 4

On-site baseline

A-1 On-site Area Habitat Baseline

B-1 On-site Hedge Baseline

C-1 On-site Watercourse Baseline

On-site post development

A-2 On-site Area Habitat Creation

A-3 On-site Area Habitat Enhancement

B-2 On-site Hedge Creation

B-3 On-site Hedge Enhancement

C-2 On-site Watercourse Creation

C-3 On-site Watercourse Enhancement

Off-site baseline

D-1 Off-site Area Habitat Baseline

E-1 Off-site Hedge Baseline

F-1 Off-site Watercourse Baseline

Off-site post development

D-2 Off-site Area Habitat Creation

D-3 Off-site Area Habitat Enhancement

E-2 Off-site Hedge Creation

E-3 Off-site Hedge Enhancement

F-2 Off-site Watercourse Creation

F-3 Off-site Watercourse Enhancement

The Statutory Biodiversity Metric
Results

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Headline results

Detailed results

Habitat trading summaries

Off-site summary

Irreplaceable habitats summary

Unit shortfall summary

Mackley Field

Headline Results

Scroll down for final results ⚠

Return to results menu

On-site baseline	*Habitat units*	0.22	
	Hedgerow units	0.14	
	Watercourse units	0.00	
On-site post-intervention (Including habitat retention, creation & enhancement)	*Habitat units*	0.25	
	Hedgerow units	0.28	
	Watercourse units	0.00	
On-site net change (units & percentage)	*Habitat units*	0.03	11.72%
	Hedgerow units	0.14	101.87%
	Watercourse units	0.00	0.00%
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*	0.03	
	Hedgerow units	0.14	
	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*	0.03
	Hedgerow units	0.14
	Watercourse units	0.00
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units*	11.72%
	Hedgerow units	101.87%
	Watercourse units	0.00%
Trading rules satisfied?		Yes ✓

Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Habitat units	10.00%	0.22	0.25	0.00	No additional area habitat units required to meet target ✓
Hedgerow units	10.00%	0.14	0.15	0.00	No additional hedgerow units required to meet target ✓
Watercourse units	10.00%	0.00	0.00	0.00	No additional watercourse units required to meet target ✓

Project Name: Mackley Field Map Reference:

A-1 On-Site Habitat Baseline

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Area habitat summary	
Total Net Unit Change	0.03
Total Net % Change	11.72%
Trading Rules Satisfied	Yes ✓

	Existing area habitats				Distinctiveness	Condition	Strategic significance		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	Required Action to Meet Trading Rules	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	Urban	Developed land; sealed surface	No	0.01	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00	0	0	0.00	0.00	0.01	0.00		Existing building		
2	Urban	Artificial unvegetated, unsealed surface	No	0.023	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00	0.023	0	0.00	0.00	0.00	0.00		Existing footpath		
3	Grassland	Modified grassland	No	0.048	Low	Poor	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.10	0.009	0.024	0.02	0.05	0.02	0.03		Area of grassland on site		
4	Individual trees	Urban tree	No	0.016	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.13	0.016		0.13	0.00	0.00	0.00				
5																			
		Total habitat area		0.10					0.22	0.05	0.02	0.15	0.05	0.03	0.03				
		Site Area (Excluding area of individual trees, green walls, intertidal hard structures)		0.08															

Total area lost (excluding area of individual trees, green walls and intertidal hard structures)	0.03

M² to hectares conversion tool:	M²	Hectares	M²
	80	0.008	80

Project Name: Mackley Field	Map Reference:
A-2 On-Site Habitat Creation	

Condense / Show Columns

Condense / Show Rows

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Area habitat summary	
Total Net Unit Change	0.03
Total Net % Change	11.72%
Trading Rules Satisfied	Yes ✓
Area Check	Area Acceptable ✓

	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	Urban	Developed land; sealed surface	0.013	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Proposed building		
2	Urban	Developed land; sealed surface	0.009	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Proposed grasscrete parking area		
3	Urban	Artificial unvegetated, unsealed surface	0.003	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Proposed footpath re-alignment		
4													
5													
		Total habitat area	0.03							0.00			

Site Area (Excluding area of individual trees, green walls, intertidal hard structures)	0.03

M² to hectares conversion tool:	M²	Hectares	M²
	256	0.0256	256

Project Name: Mackley Field Map Reference:

A-3 On-Site Habitat Enhancement

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Area habitat summary	
Total Net Unit Change	0.03
Total Net % Change	11.72%
Trading Rules Satisfied	Yes ✓

	Baseline habitats	Post intervention habitats: Proposed Habitat (Broad habitat pre-populated but can be overridden)		Change in distinctiveness and condition		Area (hectares)	Distinctiveness	Condition	Strategic significance	Temporal risk multiplier		Difficulty risk multipliers	Habitat units delivered	Comments		
Baseline ref	Baseline habitat	Proposed Broad Habitat	Proposed habitat	Distinctiveness change	Condition change				Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of enhancement		User comments	Planning authority comments	Habitat reference number
3	Grassland - Modified grassland	Grassland	Modified grassland	Low - Low	Poor - Good	0.024	Low	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	15	Low	0.10	Area to be seeded with a native low-flowering lawn mix		
					Total habitat area	0.02							0.10			

Project Name: Mackley Field Map Reference:

B-1 On-Site Hedge Baseline

Condense / Show Columns Condense / Show Rows

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Hedgerow summary	
Total Net Unit Change	0.14
Total Net % Change	101.87%
Trading Rules Satisfied	Yes ✓

	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	H1	Species-rich native hedgerow with trees	0.023	High	Poor	Area/compensation not in local strategy/ no local strategy	Like for like or better	0.14	0.023		0.14	0.00	0.00	0.00	An existing native hedgerow running along the western boundary of the site.		
2																	
3																	
4																	
5																	
			0.02					0.14	0.02	0.00	0.14	0.00	0.00	0.00			

Project Name: Mackley Field	Map Reference:
B-2 On-Site Hedge Creation	

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Hedgerow summary	
Total Net Unit Change	0.14
Total Net % Change	101.87%
Trading Rules Satisfied	Yes ✓

		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	0.021	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.14	Proposed sections of species rich native hedgerow.		
2													
3													
4													
5													
			0.02							0.14			