

The Statutory Biodiversity Metric

Auditing and accounting for biodiversity

Calculation Tool

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The Statutory Biodiversity Metric

Start page

Project details

Planning authority:	North Lincolnshire Council		
Project name:	Lincolnshire Lakes Site		
Applicant:	Keepmoat Homes		
Application type:	Residential Development		
Planning application reference:			
Completed by:	Ellie Tew, Project Ecologist / Lucy Sumner, Senior Ecologist at SLR Consulting		
Date of metric completion:	19 April 2024		
Reviewer:	Julia Kozłowska, Associate Ecologist at SLR Consulting		
Calculation iteration:	v4: Updates following finalisation of Landscape Plan.		
Planning authority reviewer:			
Date of planning authority review:			
Target % net gain:	1%	Target set below 10% ▲	
Irreplaceable habitat present at baseline:	No ✓		
Total site area - including irreplaceable habitat area (hectares):	23.94	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

View all

Reset view

Cell style conventions

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

On-site baseline map

Insert

On-site baseline map reference number

Off-site baseline map

Insert

Off-site baseline map reference number

On-site post intervention map

Insert

On-site post-intervention 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 Main menu

Tree helper

Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small		0.0000	244	0.9934		0.0000
Medium		0.0000		0.0000		0.0000
Large		0.0000		0.0000		0.0000
Very large		0.0000		0.0000		0.0000
Total	0	0.0000	244	0.9934	0	0.0000

Start page Technical data Results

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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

	Target	Resolving Units	Required Units	Unit Point
Area Habitat	1.00%	49.00	49.00	0.00
Wetlands	1.00%	8.11	8.11	0.00
Watercourse	1.00%	8.00	8.00	0.00

Use	Unit Required by Use	Unit Available by Year (Net of Banking)
A1	0.00	0.00
A2	0.00	0.00
A3	0.00	0.00
A4	0.00	0.00
A5	0.00	0.00
A6	0.00	0.00
A7	0.00	0.00
A8	0.00	0.00

Use	Habitat	Habitat Group	Unit Change	Losses in Year
A1	Wetland - Forest wetland (low)	Wetland	0.00	0.00
	Wetland - Forest wetland (high)	Wetland	0.00	
	Wetland - Forest wetland (medium)	Wetland	0.00	
	Wetland - Forest wetland (low)	Wetland	0.00	
A2	Wetland - Forest wetland (low)	Wetland	0.00	0.00
	Wetland - Forest wetland (high)	Wetland	0.00	
	Wetland - Forest wetland (medium)	Wetland	0.00	
	Wetland - Forest wetland (low)	Wetland	0.00	
	Wetland - Forest wetland (high)	Wetland	0.00	
	Wetland - Forest wetland (medium)	Wetland	0.00	
	Wetland - Forest wetland (low)	Wetland	0.00	
	Wetland - Forest wetland (high)	Wetland	0.00	
	Wetland - Forest wetland (medium)	Wetland	0.00	
	Wetland - Forest wetland (low)	Wetland	0.00	
	Wetland - Forest wetland (high)	Wetland	0.00	
	Wetland - Forest wetland (medium)	Wetland	0.00	
A3	Wetland - Forest wetland (low)	Wetland	0.00	0.00
	Wetland - Forest wetland (high)	Wetland	0.00	
	Wetland - Forest wetland (medium)	Wetland	0.00	
	Wetland - Forest wetland (low)	Wetland	0.00	
A4	Wetland - Forest wetland (low)	Wetland	0.00	0.00
	Wetland - Forest wetland (high)	Wetland	0.00	
	Wetland - Forest wetland (medium)	Wetland	0.00	
	Wetland - Forest wetland (low)	Wetland	0.00	
A5	Wetland - Forest wetland (low)	Wetland	0.00	0.00
	Wetland - Forest wetland (high)	Wetland	0.00	
	Wetland - Forest wetland (medium)	Wetland	0.00	
	Wetland - Forest wetland (low)	Wetland	0.00	

Rule 1	Higher surplus is used to offset loss of medium distinctiveness of the same broad habitat category.
Rule 2	Remaining higher surplus is used to offset the loss of the most expensive medium credit tier of A4.
Rule 3	Remaining higher surplus is used to offset the loss of the second most expensive medium credit tier of A2.
Rule 4	Remaining higher surplus is used to offset the loss of the third most expensive medium credit tier of A1.
Rule 5	Remaining higher surplus is used to offset losses from low distinctiveness habitats.

Habitat Group	Very High & High Distinctiveness Habitat Availability		Medium Distinctiveness Losses		Rules				Final Losses in Year	
	Unit Available in Broad Habitat Group	Unit Available in Broad Habitat Group	Losses Requiring Offset	Losses Requiring Offset	Remaining Available After Rule 1	Remaining Available After Rule 2	Remaining Available After Rule 3	Remaining Available After Rule 4		
A1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	A1	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
A2	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	A2	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
A3	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	A3	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Total Remaining Surplus Available					0.11	0.11	0.11	0.11		

Use	Unit Change for Low Distinctiveness Habitats	Total Unit Change for Low Distinctiveness Habitats Following Offset from Higher Distinctiveness Habitats	Units Remaining Available After Rule 5	Final Losses in Year
A1	0.00	0.11	0.11	0.00

Habitat Group	Losses	Final Losses
Wetlands	0.00	0.00
Watercourse	0.00	0.00
Area Habitat	0.00	0.00

Habitat Group	Losses	Final Losses
Wetlands	0.00	0.00
Watercourse	0.00	0.00
Area Habitat	0.00	0.00

Unit Shortfall by Year/Module	
Year	Unit Shortfall
A1	0.00
A2	0.00
A3	0.00
A4	0.00
A5	0.00
H	0.00
W	0.00

*The spatial risk multiplier has been applied to all unit shortfall values.

The Statutory Biodiversity Metric Results

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habitats summary](#)

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summary](#)

Lincolnshire Lakes Site

Headline Results

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On-site baseline	Habitat units	48.48	
	Hedgerow units	2.16	
	Watercourse units	2.03	
On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	Habitat units	50.70	
	Hedgerow units	28.06	
	Watercourse units	2.69	
On-site net change <small>(units & percentage)</small>	Habitat units	2.22	4.58%
	Hedgerow units	25.90	1199.18%
	Watercourse units	0.67	32.98%

Off-site baseline	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change <small>(units & percentage)</small>	Habitat units	0.00	0.00%
	Hedgerow units	0.00	0.00%
	Watercourse units	0.00	0.00%

Combined net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	2.22	
	Hedgerow units	25.90	
	Watercourse units	0.67	
Spatial risk multiplier (SRM) deductions	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	

FINAL RESULTS

Total net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	2.22	
	Hedgerow units	25.90	
	Watercourse units	0.67	

<p style="text-align: center;">Total net % change</p> <p style="text-align: center;">(Including all on-site & off-site habitat retention, creation & enhancement)</p>	<i>Habitat units</i>	4.58%
	<i>Hedgerow units</i>	1199.18%
	<i>Watercourse units</i>	32.98%

Trading rules satisfied?	Yes ✓
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Unit Type	Target	Baseline Units	Units Required	Unit Deficit
<i>Habitat units</i>	1.00%	48.48	48.96	0.00
<i>Hedgerow units</i>	1.00%	2.16	2.18	0.00
<i>Watercourse units</i>	1.00%	2.03	2.05	0.00

No additional area habitat units required to meet target ✓
 No additional hedgerow units required to meet target ✓
 No additional watercourse units required to meet target ✓

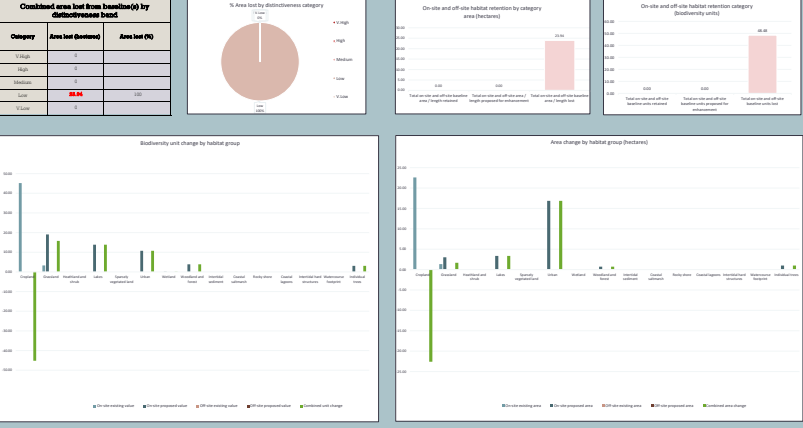
Input errors/rule breaks present in metric ▲

Landscape Value Ris		Revised by: revised	
Detailed Results		Status: revised	
Summary Figures			
Net project biodiversity units (including on-site & off-site habitat creation & release)		Baseline value	2.58
		Post-development value	2.77
Total project biodiversity % change (including on-site & off-site habitat creation & release)		Baseline value	4.3%
		Post-development value	10.1%
Combined habitat retention and enhancement			
Total on-site and off-site habitat area (length)		Baseline	100
		Post-development	100
Total on-site and off-site habitat area (length) retained		Baseline	100
		Post-development	100
Total on-site and off-site habitat area (length) lost		Baseline	0
		Post-development	0

On-site change by habitat type			
Habitat group	Baseline	Post-development on-site	On-site change
Grassland	0.00	0.00	0.00
Woodland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Watercourse	0.00	0.00	0.00
Other	0.00	0.00	0.00

Off-site change by habitat type			
Habitat group	On-site existing area	Off-site existing area	Off-site change
Grassland	0.00	0.00	0.00
Woodland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Watercourse	0.00	0.00	0.00
Other	0.00	0.00	0.00

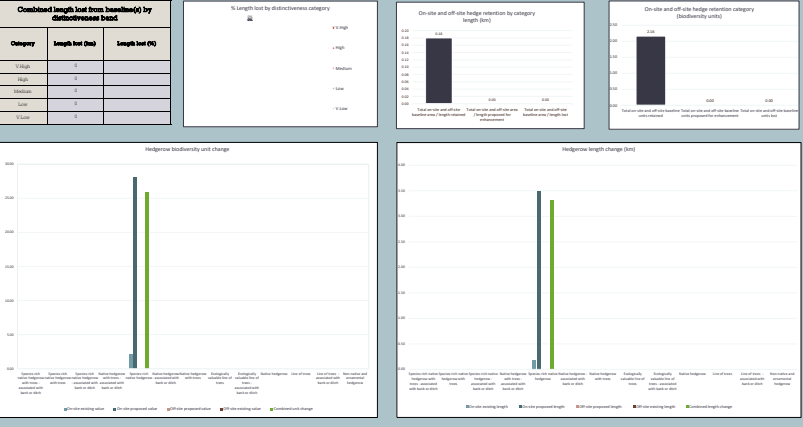
Combined on-site and off-site change by habitat type			
Habitat group	Combined existing area	Combined proposed area	Combined change
Grassland	0.00	0.00	0.00
Woodland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Watercourse	0.00	0.00	0.00
Other	0.00	0.00	0.00



On-site change by hedgerow type			
Hedgerow type	Baseline	Post-development on-site	On-site change
Grass	0.00	0.00	0.00
Wood	0.00	0.00	0.00
Other	0.00	0.00	0.00

Off-site change by hedgerow type			
Hedgerow type	On-site existing area	Off-site existing area	Off-site change
Grass	0.00	0.00	0.00
Wood	0.00	0.00	0.00
Other	0.00	0.00	0.00

Combined on-site and off-site change by hedgerow type			
Hedgerow type	Combined existing area	Combined proposed area	Combined change
Grass	0.00	0.00	0.00
Wood	0.00	0.00	0.00
Other	0.00	0.00	0.00



On-site change by watercourse type			
Watercourse type	Baseline	Post-development on-site	On-site change
Grass	0.00	0.00	0.00
Wood	0.00	0.00	0.00
Other	0.00	0.00	0.00

Off-site change by watercourse type			
Watercourse type	On-site existing area	Off-site existing area	Off-site change
Grass	0.00	0.00	0.00
Wood	0.00	0.00	0.00
Other	0.00	0.00	0.00

Combined on-site and off-site change by watercourse type			
Watercourse type	Combined existing area	Combined proposed area	Combined change
Grass	0.00	0.00	0.00
Wood	0.00	0.00	0.00
Other	0.00	0.00	0.00



Intervall hard structures - Annual fee of hard structures	Intervall hard structures	0.00	0.00	0.00
Intervall and shrub - Other use backshore scrub	Intervall and shrub	0.00	0.00	0.00
		-21.98	0.00	-21.98

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Trading summary area habitats

Trading summary watercourses

Trading Summary

Distinctiveness Group	Trading Rate	Trading Believed?
Very High	Same habitat required =	Yes ✓
High	Like for like or better	Yes ✓
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 matched	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	0.00	0.00	0.00
	0.00	0.00	0.00

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
High Distinctiveness losses to be offset by trading rate	0.00
High Distinctiveness surplus units minus any high distinctiveness deficit	0.00

Medium Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow	25.90	0.00	25.90 ✓
Native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees	0.00	0.00	0.00
Ecologically variable low of trees	0.00	0.00	0.00
Ecologically variable low of trees - associated with bank or ditch	0.00	0.00	0.00
	25.90	0.00	25.90

Medium Distinctiveness Summary

Units available from higher distinctiveness habitats	0.00
Medium Distinctiveness net change in units	25.90 ✓
Cumulative availability of units	25.90 ✓

Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Native hedgerow	0.00	0.00	0.00
Low of trees	0.00	0.00	0.00
Low of trees - associated with bank or ditch	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	25.90 ✓

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	25.90 ✓

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Trading summary area habitats

Trading summary hedgerows

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required - bespoke compensation option A	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 deficits	0.00
Remaining losses, like for like not available	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 deficits	0.00
Remaining losses, like for like not available	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 Deficits	0.00 ✓
Remaining losses, Like for like not available	0.00

Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Culverts	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 ✓

Ref	Hedge number	Hedge type	Length (mi)	Disturbance		Condition		Strategy algorithm			Required Action to Meet Trading Ratio	Total hedge volume	Length (mi)	Length (mi)	Date (mm/dd)	Date (mm/dd)	Length (mi)	Date (mm/dd)	Comments		Status reference number
				Disturbance	Score	Condition	Score	Strategy algorithm	Strategy algorithm	Strategy algorithm									User comments	Planning activity comments	
1	001	General site access hedge	0.10	Medium	1	Good	1	Administrative site and energy use hedge	Low Energy Disturbance	Low Disturbance Hedging Strategy	None	0.10	0.10	0.10	0.10	0.10	0.10	0.10			
2	002																				
3	003																				
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Sub	Proposed features		Disturbances		Conditions		Strategic opportunities					Proposed mitigation					In-stream activities			Watercourse measurements		Eggs/cy conditions		Watercourse flow address	Comments											
	Watercourse type	Length (m)	Disturbances	Flow	Channel	Bank	Strategic opportunity	Strategic opportunity	Standard Time to report on-site	Water course in addition to flow	Other in-stream features	Standard or subject flow to report on-site	Flow time to report on-site	Flow time to report on-site	Standard activity of water	Project activity of water	Flow activity of water	Diversity activity of water	Water course measurement	Water course measurement	Water course measurement	Water course measurement	Water course measurement		Water course measurement	Water course measurement	Water course measurement	Water course measurement	Water course measurement	Water course measurement	Water course measurement	Water course measurement	Water course measurement	Water course measurement	Water course measurement	
1	Canal	1.00	Canal	Flow	Canal	Bank	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow
2	Canal	0.75	Canal	Flow	Canal	Bank	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow
3	Canal	1.25	Canal	Flow	Canal	Bank	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow	Water course in addition to flow