

The Statutory Biodiversity Metric
Start page

Project details			
Planning authority:	North Hertfordshire District Council		
Project name:	Land Adjacent 2 and 3 Wells Cottages, Smiths End Lane, Barley, Hertfordshire, SG8 8LJ		
Applicant:	Robert Rand		
Application type:	Full Planning Application		
Planning application reference:	25/01846/FP		
Completed by:	Imogen Payne (Ecologist - ACJ Ecology)		
Date of metric completion:	12 November 2025		
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):	0.21	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

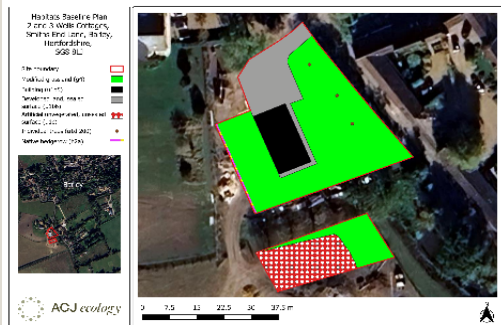
Cell style conventions	
	Attention required
	Input error/rules and principles not met
	Use of this cell is not appropriate
	Enter data
	Automatic lookup
	Result

View all

Reset view

On-site baseline map

Insert



On-site baseline map reference number

Off-site baseline map

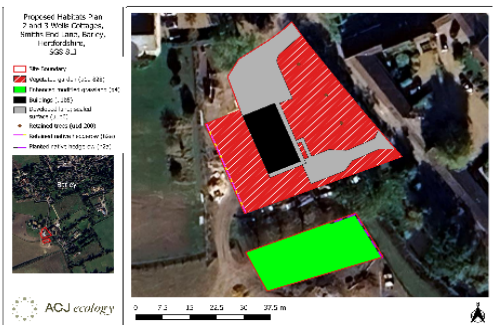
Insert



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

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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	2	0.0326	1	0.0163
Large		0.0000		0.0000		0.0000
Very large		0.0000		0.0000		0.0000
Total	0	0.0000	2	0.0326	1	0.0163

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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



B-2 On-site Hedge Creation



C-2 On-site Watercourse Creation



A-3 On-site Area Habitat Enhancement



B-3 On-site Hedge Enhancement



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



E-2 Off-site Hedge Creation



F-2 Off-site Watercourse Creation



D-3 Off-site Area Habitat Enhancement



E-3 Off-site Hedge Enhancement



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

Credits Summary

Land Adjacent 2 and 3 Wells Cottages, Smiths End

Headline Results

Scroll down for final results

Return to results menu

On-site baseline	Area habitat units	0.72		
	Hedgerow units	0.06		
	Watercourse units	0.00		
On-site post-intervention (Including habitat retention, creation & enhancement)	Area habitat units	0.86		
	Hedgerow units	0.10		
	Watercourse units	0.00		
On-site net change (units & percentage)	Area habitat units	0.14	19.37%	
	Hedgerow units	0.04	67.41%	
	Watercourse units	0.00	0.00%	
Off-site baseline	Area habitat units	0.00		
	Hedgerow units	0.00		
	Watercourse units	0.00		
Off-site post-intervention (Including habitat retention, creation & enhancement)	Area habitat units	0.00		
	Hedgerow units	0.00		
	Watercourse units	0.00		
Off-site net change (units & percentage)	Area 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)	Area habitat units	0.14		
	Hedgerow units	0.04		
	Watercourse units	0.00		
Spatial risk multiplier (SRM) deductions	Area 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)	Area habitat units	0.14		
	Hedgerow units	0.04		
	Watercourse units	0.00		
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	Area habitat units	19.37%		
	Hedgerow units	67.41%		
	Watercourse units	0.00%		
Trading rules satisfied?	Yes ✓			
Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Area habitat units	10.00%	0.72	0.79	0.00
Hedgerow units	10.00%	0.06	0.06	0.00
Watercourse units	10.00%	0.00	0.00	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 ✓

Detailed Results

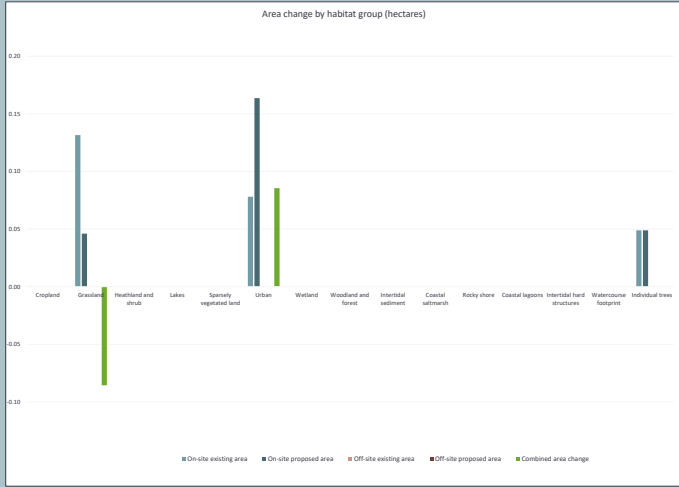
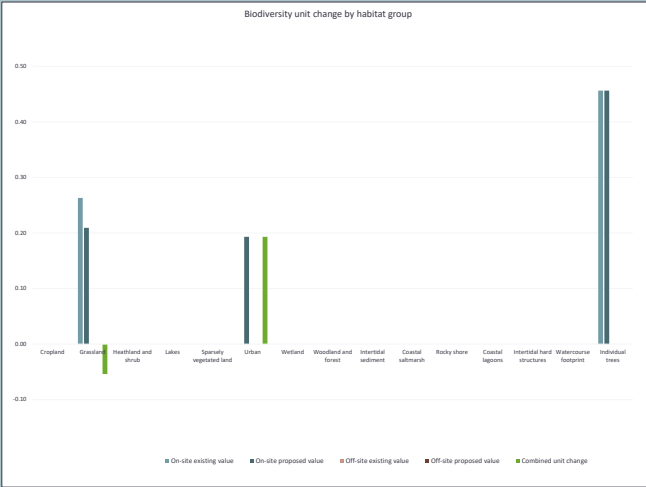
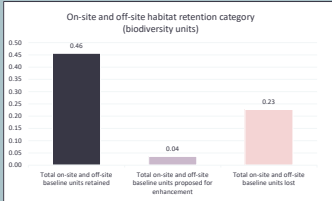
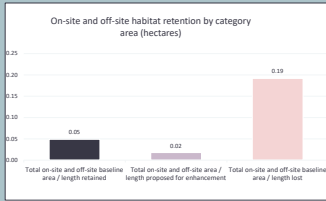
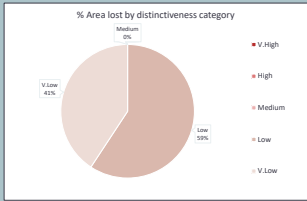
Summary Figures

Net project biodiversity units (Including all on-site & off-site habitat retention / creation)	Area habitat units	0.14	
	Hedgecrow units	0.04	
	Watercourse units	0.00	
Total project biodiversity % change (Including all on-site & off-site habitat creation + retained habitats)	Area habitat units	19.37%	
	Hedgecrow units	67.41%	
	Watercourse units	0.00%	
Combined habitat retention and enhancement			
	Area Habitats	Hedgecrows	Watercourses
Total on-site and off-site baseline area / length	0.98	0.00	0.00
Total on-site and off-site baseline units	0.72	0.00	0.00
Total on-site and off-site baseline area / length retained	0.55	0.00	0.00
Total on-site and off-site baseline units retained	0.40	0.00	0.00
Total on-site and off-site area / length proposed for enhancement	0.02	0.00	0.00
Total on-site and off-site baseline units proposed for enhancement	0.04	0.00	0.00
Total on-site and off-site baseline area / length lost	0.19	0.00	0.00
Total on-site and off-site baseline units lost	0.23	0.00	0.00

Area habitats

On-site change by broad habitat type						
Habitat group	Baseline		Post-development on-site		On-site change	
	On-site existing area	On-site existing value	On-site proposed area	On-site proposed value	On-site area change	On-site unit change
Cropland	0.00	0.00	0.00	0.00	0.00	0.00
Grassland	0.13	0.26	0.05	0.41	-0.09	-0.05
Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Scarsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00
Urban	0.08	0.00	0.18	0.19	0.09	0.19
Wetland	0.00	0.00	0.00	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00	0.00	0.00	0.00
Watercourse footings	0.00	0.00	0.00	0.00	0.00	0.00
Individual trees	0.00	0.48	0.00	0.48	0.00	0.00
Off-site change by broad habitat type						
Habitat group	Baseline		Post-development off-site		Off-site change	
	Off-site existing area	Off-site existing value	Off-site proposed area	Off-site proposed value	Off-site area change	Off-site unit change
Cropland	0.00	0.00	0.00	0.00	0.00	0.00
Grassland	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Scarsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00
Urban	0.00	0.00	0.00	0.00	0.00	0.00
Wetland	0.00	0.00	0.00	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00	0.00	0.00	0.00
Watercourse footings	0.00	0.00	0.00	0.00	0.00	0.00
Individual trees	0.00	0.00	0.00	0.00	0.00	0.00
Combined on-site and off-site change by broad habitat type						
Habitat group	Baseline		On-site and off-site post-development		Combined change	
	Combined existing area	Combined existing value	Combined proposed area	Combined proposed value	Combined area change	Combined unit change
Cropland	0.00	0.00	0.00	0.00	0.00	0.00
Grassland	0.13	0.26	0.05	0.41	-0.09	-0.05
Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Scarsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00
Urban	0.08	0.00	0.18	0.19	0.09	0.19
Wetland	0.00	0.00	0.00	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00	0.00	0.00	0.00
Watercourse footings	0.00	0.00	0.00	0.00	0.00	0.00
Individual trees	0.00	0.48	0.00	0.48	0.00	0.00

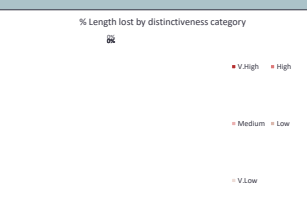
Combined area lost from baseline(s) by distinctiveness band		
Category	Area lost (hectares)	Area lost (%)
V.High	0	
High	0	
Medium	0	
Low	0.11905	59
V.Low	0.078104	41



Hedgecrows and lines of trees

On-site change by hedgecrow type						
Hedgecrow type	Baseline		Post-development on-site		On-site change	
	On-site existing length	On-site existing value	On-site proposed length	On-site proposed value	On-site length change	On-site unit change
Species-rich native hedgecrow with trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgecrow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgecrow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow with trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgecrow	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow	0.03	0.08	0.00	0.10	0.02	0.04
Line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and ornamental hedgecrow	0.00	0.00	0.00	0.00	0.00	0.00
Off-site change by hedgecrow type						
Hedgecrow type	Off-site 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
Species-rich native hedgecrow with trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgecrow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgecrow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow with trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgecrow	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow	0.00	0.00	0.00	0.00	0.00	0.00
Line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and ornamental hedgecrow	0.00	0.00	0.00	0.00	0.00	0.00
Combined on-site and off-site change by hedgecrow type						
Hedgecrow type	Baseline		Post-development		Change	
	Combined existing length	Combined existing value	Combined proposed length	Combined proposed value	Combined length change	Combined unit change
Species-rich native hedgecrow with trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgecrow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgecrow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow with trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgecrow	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgecrow	0.03	0.08	0.00	0.10	0.02	0.04
Line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and ornamental hedgecrow	0.00	0.00	0.00	0.00	0.00	0.00

Combined length lost from baseline(s) by distinctiveness band		
Category	Length lost (km)	Length lost (%)
V.High	0	
High	0	
Medium	0	
Low	0	
V.Low	0	



Project Name: Land Adjacent 2 and 3 Wells Cottages, Smiths End Lane, Barley,
A-1 On-Site Habitat Baseline

Condense / Show Columns

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Area habitat summary

Total Net Unit Change

0.14

Total Net % Change

19.37%

Trading Rules Satisfied

Yes ✓

Existing area habitats				Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Ecological baseline	
Ref	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Total habitat units	
1	Grassland	Modified grassland	No	0.131596	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.26
2	Urban	Developed land, sealed surface	No	0.03197	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
3	Urban	Developed land, sealed surface	No	0.01803	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
4	Individual trees	Urban tree	No	0.0326	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.26
5	Individual trees	Urban tree	No	0.0163	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.20
6	Urban	Artificial unvegetated, unsealed surface	No	0.028104	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
7				Total habitat area	0.28								0.72
				Site Area (Excluding area of individual trees, green walls, intertidal hard structure)	0.21								

M² to hectares conversion tool:

Select a unit

Hectares

M²

						Bespoke compensation agreed for losses of VH/DH or Irreplaceable habitat			Comments		
Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost	User comments	Planning authority comments	Habitat reference number			
	0.017946	0.00	0.04	0.11	0.23						
		0.00	0.00	0.03	0.00						
		0.00	0.00	0.02	0.00						
0.0326		0.26	0.00	0.00	0.00						
0.0163		0.20	0.00	0.00	0.00						
		0.00	0.00	0.03	0.00						
0.06	0.02	0.46	0.04	0.19	0.23						
Total area lost (excluding area of individual trees, green walls and intertidal hard structure)				0.19							

adjacent 2 and 3 Wells Cottages, Smiths End Lane, Barley, Hertfordshire, SG8

B-1 On-Site Hedge Baseline

Condense / Show Columns

Condense / Show Row

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Hedgerow summary

Total Net Unit Change	0.04
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Total Net % Change	67.41%
Trading Rules Satisfied	Yes

Trading Rules Satisfied	Yes ☒
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[illegible]

[illegible]

239																				
240																				
241																				
242																				
243																				
244																				
245																				
246																				
247																				
248																				
			0.03											0.06						
															0.03	0.00	0.06	0.00	0.00	0.00

Adjacent 2 and 3 Wells Cottages, Smiths End Lane, Barley, Hertfordshire, SG8 4

B-2 On-Site Hedge Creation

Condense / Show Columns

Condense / Show Rows

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Hedgerow summary	
Total Net Unit Change	0.04
Total Net % Change	67.41%
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	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance 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	Planning authority comments	Habitat reference number
1	b2a	Native hedgerow	0.02	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1			Standard time to target condition applied	1	0.965	Low	Standard difficulty applied	Low	1	0.04			
2																								
3																								
4																								
5																								
			0.02																		0.04			