

Small Sites Metric (The Statutory Biodiversity Metric)

Version 1.2.2 Release Date:

July 2024

Cell style conventions

	Enter data
	Automated equation
	Result
	Title cell
	Title cell alt colour
▲	Error
⚠	Attention required
	Use of this cell is not required



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Technical Requirements - Excel Versions: 2010, 2013, 2016, 2019, Office 365, Excel for Android

Sheet Name	Site Details	
1. Planning authority:	North Hertfordshire District Council	
2. Site name:	Brick Cottage, The Street, Kelshall, Royston, SG8 9SQ	
3. Applicant:	Mr & Mrs Cordell	
4. Planning application type:	Full planning consent	
5. Planning application reference:		
6. Metric completed by (name & job title):	Nicholas Phillips (Architect)	
7. Date of metric completion:	18 September 2014	
8. Revision number:	N/A	
9. Masterplan document title / drawing number:	P05	
Net Gain Targets		
10. Targeted % increase in Units	10a. Habitat	10.00
	10b. Hedgerow	10.00
	10c. Watercourses	10.00
11. Optional target increase in units if baseline value is zero	11a. Habitat units	0.00
	11b. Hedgerow units	0.00
	11c. Watercourse units	0.00
For planning authority use only		
12. Planning authority reviewer:		
13. Date of planning authority review:		

Site Name:	Red Brick Cottage, The Street, Kelshall, Royston, SG8 9SQ
Sheet Name	Desktop Assessment

Development

14. Select the type of proposed development. If Other, provide details at Q.25 below	Residential	Site area must be less than 10,000 m ²
15. Site area (m ²)	418	
N/A		
17. Number of dwellings proposed within the development site	Between 1 – 9 dwellings	

Designated sites and priority habitats

18. Any designated sites on or within 500m of the site?	No	
19. Any priority habitats on or within 500m of the site?	No	
20. List the designated sites and/or priority habitats	None known	
21. Information sources used for assessment of designated sites and priority habitats (See guidance)		

European protected species

22. Any european protected species present on site	No	
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Site walkover

23. Site walkover completed?	Walkover completed by competent person	A competent person should be able to confidently identify the
24. Date of site walkover – DD/MM/YY	16/08/2024	Site walkover data valid until 16/02/25
25. Who completed the walkover? (Name and job title)	Nicholas Phillips (Architect)	

Additional details

26. Any additional information or notes		
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A	B	C	D	E	F	G	XPC	XPD
1								
2		Site Name:	Red Brick Cottage, The Street, Kelchell, Rye, TN31 9SQ					
3		Sheet Name	Supporting Information					
4								
5		Baseline Habitat Photos	Insert photographs to support assumptions made in the notes					
6								
7		Ref	Habitat type	Photo 1	Photo 2			
8			Date taken	16 August 2024				
9		1	Artificial unvegetated, surfaced surface					
10			Date taken	16 August 2024				
11		2	Overgrown land; surfaced surface					
12			Date taken	16 August 2024				
13		3	Vegetated garden					
14			Date taken					

Site Name

Red Brick Cottage, The Street, Kelshall, Royston, SG8 9SQ

Sheet Name

5. Area Habitats

Instructions:

1. Enter data into 1a. Baseline habitats table

2. Enter data on habitats to be created into 1b. Habitats to be created

3. Enter data on habitats to be enhanced into 1c. Habitats to be enhanced

4. Enter data on individual trees into 1d. Tree area calculator

All Key Rules Satisfied ✓

Retained Units	0.0252
Lost Units	0.0028
Created Units	0.0191
Enhancement Units	0.0000
Net Change	0.0163

1a. Baseline habitats

Ref	Habitat		C. Strategic significance	Areas (m²)			Baseline results			Comments		
	A. Broad Habitat	B. Habitat type		D. Total Area	E. Area retained	F. Area enhanced	Total habitat units onsite	Area Lost	Units lost	User comments	LPA comments	
1	Urban	Artificial unvegetated, unsealed surface	Area/compensation not in local strategy/ no local strategy	89.00	0.00		0.00	89.00	0.000			
2	Urban	Developed land; sealed surface	Area/compensation not in local strategy/ no local strategy	189.00	0.00		0.00	189.00	0.000			
3	Urban	Vegetated garden	Area/compensation not in local strategy/ no local strategy	140.00	126.00		0.03	14.00	0.003			
4												
5												
6												
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9												
10												
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12												
13												
14												
15												
16												
17												
18												
19												
20												
Trees	Individual trees	Urban/rural tree	Formally identified in local strategy	0.00	0.00		0.0000	0.00	0.0000			
				Totals (areas excl trees, green walls and structural)	418.00	126.00	0.00	0.0280	292.00	0.0028		
				Error Check 1	Areas Acceptable ✓							
				Error Check 2	Areas Acceptable ✓							
				Error Check 3	Areas Acceptable ✓							

1b. Habitats to be created

30	20															
31	Trees	Individual trees	Urban/rural tree	Formally identified in local strategy					0.00	0.00		0.0000	0.00	0.0000		
32									Totals (areas excl trees, green walls and internal		418.00	126.00	0.00	0.0280	292.00	0.0028
33									Error Check 1		Areas Acceptable ✓					
34									Error Check 2		Areas Acceptable ✓					
35									Error Check 3		Areas Acceptable ✓					
36	1b. Habitats to be created															
37																
38	Ref	A. Broad Habitat	B. Habitat type	Acceptable condition options	Condition Assessment		C. Targeted condition		D. Strategic significance	E. Total Area (m²)		Habitat units created onsite		Comments		
39														User comments	LPA comments	
40	1	Urban	Developed land; sealed surface	N/A - Other	N/A - Other		N/A - Other		Area/compensation not in local strategy/ no local strategy	193.00		0.0000				
41	2	Urban	Vegetated garden	Condition Assessment N/A	Condition Assessment N/A		Condition Assessment N/A		Area/compensation not in local strategy/ no local strategy	99.00		0.0191				
42	3															
43	4															
44	5															
45	6															
46	7															
47	8															
48	9															
49	10															
50	11															
51	12															
52	13															
53	14															
54	15															
55	16															
56	17															
57	18															
58	19															
59	20															
60	Trees	Individual trees	Urban/rural tree	Moderate	Moderate		Moderate		Area/compensation not in local strategy/ no local strategy	0.00		0.0000				
61									Totals (areas excl trees, green walls and internal		292.00		0.0191			
62									Error Check 4		Areas Acceptable ✓					
63																

Baseline ref	Existing Habitat Type		Enhanced Habitat type		B. Strategic significance	Area Enhanced	Enhanced Condition	Total Units	Net Improvement	Comments	
	Broad habitat type	Existing habitat type	Enhancement Type	A. Enhanced habitat type						User comments	LPA comments
1											
2											
3											
4											
5											
6											
7											
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9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
					Totals (areas excl. trees, green walls and intertidal)	0.00		0.0000	0.0000		

Tree size (Diameter at breast height)	A. Total number of trees pre development	B. Number of trees retained (but not enhanced)	C. Number of new trees planted post development	Areas		
				Area pre development	Area retained	Area of new trees planted post development
Small - DBH ≤ 30cm				0	0	0
Medium - DBH > 30 to ≤ 60cm				0	0	0
Large - DBH > 60 to ≤ 90cm				0	0	0
Very Large - DBH > 90cm				0	0	0
Total	0	0	0	0	0	0

Data beyond this row is automated

Data beyond this row is automated

1e . Trading Summary

Broad Habitat Type - Medium Distinctiveness Habitats	Trading Rules Satisfied ✓
Medium and Low Distinctiveness Band	Trading Rules Satisfied ✓

1f . Habitat trading assessment

Broad habitat types	Distinctiveness band	Baseline units	Onsite provision	Net change	Trading satisfied?
Cropland	Low	0.0000	0.0000	0.0000	-
	Medium	0.0000	0.0000	0.0000	N/A
Grassland	Low	0.0000	0.0000	0.0000	-
	Medium	0.0000	0.0000	0.0000	N/A
Heathland and shrub	Low	0.0000	0.0000	0.0000	-
	Medium	0.0000	0.0000	0.0000	N/A
Intertidal hard structures	Low	0.0000	0.0000	0.0000	-
	Medium	0.0000	0.0000	0.0000	N/A
Intertidal sediment	Low	0.0000	0.0000	0.0000	-
	Medium	0.0000	0.0000	0.0000	N/A
Lakes	Low	0.0000	0.0000	0.0000	-
	Medium	0.0000	0.0000	0.0000	N/A
Sparsely vegetated land	Low	0.0000	0.0000	0.0000	-
	Medium	0.0000	0.0000	0.0000	N/A
Urban	Low	0.0280	0.0443	0.0163	-
	Medium	0.0000	0.0000	0.0000	N/A
Woodland and forest	Low	0.0000	0.0000	0.0000	-
	Medium	0.0000	0.0000	0.0000	N/A
Coastal saltmarsh	Low	0.0000	0.0000	0.0000	-
	Medium	0.0000	0.0000	0.0000	N/A
Individual trees	Low	0.0000	0.0000	0.0000	-
	Medium	0.0000	0.0000	0.0000	N/A

Distinctiveness band	Baseline units	Onsite provision	Net change	Trading satisfied?
Medium distinctiveness	0.0000	0.000	0.0000	Yes ✓
Low distinctiveness	0.0280	0.044	0.0163	Yes ✓
Surplus area habitat biodiversity units after offsetting low distinctiveness units	0.0163			Yes ✓

Q7

A B C D E F G H I J K L M N O P

1b. Habitats to be created

Ref	A. Broad Habitat	B. Habitat type	Condition Assessment		D. Strategic significance	E. Total Length created (m)	Units created on-site	Comments	
			Acceptable condition options	C. Targeted condition				User comments	LPA comments
1	Hedgerows and Lines of trees	Native hedgerow	Moderate, Good	Moderate	Area/compensation not in local strategy/ no local strategy	20.00	0.0669		
2	Hedgerows and Lines of trees								
3	Hedgerows and Lines of trees								
4	Hedgerows and Lines of trees								
5	Hedgerows and Lines of trees								
6	Hedgerows and Lines of trees								
7	Hedgerows and Lines of trees								
8	Hedgerows and Lines of trees								
9	Hedgerows and Lines of trees								
10	Hedgerows and Lines of trees								
11	Hedgerows and Lines of trees								
12	Hedgerows and Lines of trees								
13	Hedgerows and Lines of trees								
14	Hedgerows and Lines of trees								
15	Hedgerows and Lines of trees								
16	Hedgerows and Lines of trees								
17	Hedgerows and Lines of trees								
18	Hedgerows and Lines of trees								
19	Hedgerows and Lines of trees								
20	Hedgerows and Lines of trees								
					Totals	20.00	0.0669		
					Error Check 1	Lengths Acceptable ✓			

58	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
59			trees					Totals	20.00			0.0669					
60								Error Check 1	Lengths Acceptable ✓								
61																	
62		1c. Habitats to be enhanced															
63																	
64																	
65		Baseline ref	Existing Habitat Type		Enhanced Habitat type		B. Strategic significance	Length Enhanced (m)	Enhanced Condition	Total Units	Net Improvement	Comments					
66			Broad habitat type	Existing habitat type	Enhancement Type	A. Enhanced habitat type						User comments	LPA comments				
67		1															
68		2															
69		3															
70		4															
71		5															
72		6															
73		7															
74		8															
75		9															
76		10															
77		11															
78		12															
79		13															
80		14															
81		15															
82		16															
83		17															
84		18															
85		19															
86		20															
87		Totals							0.00		0.0000	0.0000					
88																	
89																	

1e . Trading Summary

Distinctiveness and Habitat Type

Trading Rules Satisfied ✓

1f . Habitat trading assessment

Broad habitat type	Distinctiveness	Habitat type	Baseline units	Onsite provision	Net change	Trading satisfied?
Hedgerows and Lines of trees	Medium	Species-rich native hedgerow	0.0000	0.0000	0.0000	Yes ✓
		Native hedgerow - associated with bank or ditch	0.0000	0.0000	0.0000	
		Native hedgerow with trees	0.0000	0.0000	0.0000	
		Ecologically valuable line of trees	0.0000	0.0000	0.0000	
		Ecologically valuable line of trees - associated with bank or ditch	0.0000	0.0000	0.0000	
		Sum	0.0000	0.0000	0.0000	
	Low	Native hedgerow	0.1200	0.1869	0.0669	Yes ✓
		Line of trees	0.0000	0.0000	0.0000	
		Line of trees - associated with bank or ditch	0.0000	0.0000	0.0000	
		Sum	0.1200	0.1869	0.0669	
	Very low	Non-native and ornamental hedgerow	0.0000	0.0000	0.0000	Yes ✓

Surplus medium distinctiveness units to offset low and very low distinctiveness units

0.0000

Cumulative surplus of units after offsetting low distinctiveness units

0.0669

Cumulative surplus of units after offsetting very low distinctiveness units

0.0669

1b. Habitats to be created

Ref	A. Broad Habitat	B. Habitat type	Condition Assessment		D. Strategic significance	E. Total Length created (m)	Units created onsite	Comments	
			Acceptable condition options	C. Targeted condition				User comments	LPA comments
1	Watercourses								
2	Watercourses								
3	Watercourses								
4	Watercourses								
5	Watercourses								
6	Watercourses								
7	Watercourses								
8	Watercourses								
9	Watercourses								
10	Watercourses								
11	Watercourses								
12	Watercourses								
13	Watercourses								
14	Watercourses								
15	Watercourses								
16	Watercourses								
17	Watercourses								
18	Watercourses								
19	Watercourses								
20	Watercourses								
Totals						0.00	0.0000		

1c. Habitats to be enhanced

Baseline ref	Existing Habitat Type		Enhanced Habitat type		B. Strategic significance	Length Enhanced	Enhanced Condition	Total Units	Net Improvement	Comments	
	Broad habitat type	Existing habitat type	Enhancement Type	A. Enhanced habitat type						User comments	LPA comments
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
Totals						0.00		0.0000	0.0000		

1e . Trading Summary

Distinctiveness and Habitat Type	Trading Rules Satisfied ✓
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1f . Habitat trading assessment

Broad habitat type	Distinctiveness	Habitat Type	Baseline units	Onsite provision	Net change	Trading satisfied?
Watercourses	Medium distinctiveness	Canals	0.0000	0.0000	0.0000	Yes ✓
		Ditches	0.0000	0.0000	0.0000	
		Sum	0.0000	0.0000	0.0000	
	Low distinctiveness	Culvert	0.0000	0.0000	0.0000	Yes ✓

Surplus medium distinctiveness units to offset low distinctiveness units	0.0000
Surplus watercourse biodiversity units	0.0000

D24 : X ✓ fx =IF(D12="Zero Units Baseline","% target not appropriate",D20/D12)

	A	B	C	D	E	F
1						
2			Site Name	Red Brick Cottage, The Street, Kelshall, Royston, SG8 9SQ		
3			Sheet Name	Headline Results		
4			Headline Results			
5			Headline	BNG Targets Met ✓		
6						
7			Trading Rules	Trading Rules Satisfied ✓		
8						
9			Next steps	Check for input errors/rule breaks present in the metric ⚠		
10						
11		Baseline Units	Habitat units	0.0280		
12			Hedgerow units	0.1200		
13			Watercourse units	Zero Units Baseline		
14						
15		Post-development Units	Habitat units	0.0443		
16			Hedgerow units	0.1869		
17			Watercourse units	0.0000		
18						
19		Total net unit change	Habitat units	0.0163		✓
20			Hedgerow units	0.0669		✓
21			Watercourse units	0.0000		
22						
23		Total net % change	Habitat units	58.24%		✓
24			Hedgerow units	55.79%		✓
25			Watercourse units	% target not appropriate		
26						
27		Habitats units required to meet target		0.0000		
28		Hedgerow units required to meet target		0.0000		
29		Watercourse units required to meet target		0.0000		
30						
31						

Chart 1 - Unit change by habitat group

