The Statutory Biodiversity Metric
Start page

Project details			
Planning authority:			
Project name:			
Applicant:			
Application type:			
Planning application reference:			
Completed by:	4 years. Ryan has extensive experience in Biodiversity Net Gain, having been the project ecologist on c		
Date of metric completion:	22 November 2024		
Reviewer:	Ryan Clark		
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):	0.17	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

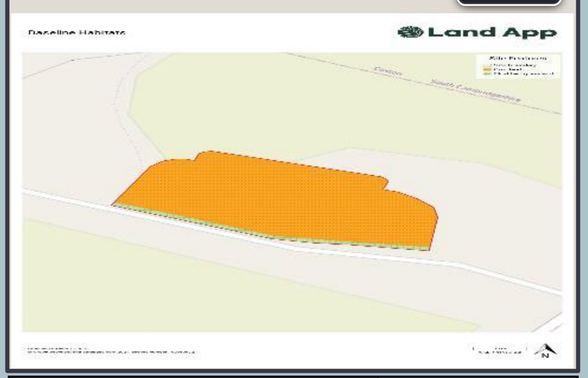
Cell style conventions	
⚠	Attention required
▲	Input error/rules and principles not met
	Use of this cell is not appropriate
	Enter data
	Automatic lookup
	Result

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
Main menu

Start page

Technical data

Results

Start here

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

Tree helper

Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small		0.0000	13	0.0529		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**	**13**	**0.0529**	**0**	**0.0000**

The Statutory Biodiversity Metric Results

Return to start page

Headline results

Detailed results

Habitat trading summaries

Off-site summary

Irreplaceable habitats summary

Unit shortfall summary

Return to results menu

Headline Results

Scroll down for final results ⚠

On-site baseline	*Habitat units*	0.34		
	Hedgerow units	0.00		
	Watercourse units	0.00		
On-site post-intervention (Including habitat retention, creation & enhancement)	*Habitat units*	0.37		
	Hedgerow units	0.39		
	Watercourse units	0.00		
On-site net change (units & percentage)	*Habitat units*	0.03	10.01%	
	Hedgerow units	0.39	N/A	Zero baseline units - % cannot be calculated
	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	0.39		
	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	0.39
	Watercourse units	0.00

Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)			
	Habitat units	10.01%	
	Hedgerow units	N/A	0 baseline units - % cannot be calculated
	Watercourse units	0.00%	

Trading rules satisfied?	Yes ✓

Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Habitat units	10.00%	0.34	0.37	0.00	No additional area habitat units required to meet target ✓
Hedgerow units	10.00%	0.00	0.00	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:	Map Reference:
A-1 On-Site Habitat Baseline	

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	0.03
Total Net % Change	10.01%
Trading Rules Satisfied	Yes ✓

Ref	Existing area habitats				Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Ecological baseline						Bespoke compensation agreed for losses of VHDH or irreplaceable habitat	Comments		
	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier		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	Cropland	Cereal crops	No	0.16	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.32	0	0	0.00	0.00	0.16	0.32		Existing arable cropland.		
2	Grassland	Modified grassland	No	0.01	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.02	0	0	0.00	0.00	0.01	0.02		Existing modified grassalnd. Habitat fails condition criteria A; therefore, achieving Poor condition.		

| | | |

Project Name: Map Reference:

A-2 On-Site Habitat Creation

Condense / Show Columns | Condense / Show Rows | Main Menu

Area habitat summary	
Total Net Unit Change	0.03
Total Net % Change	10.01%
Trading Rules Satisfied	Yes ✓
Area Check	Area Acceptable ✓

Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness		Condition		Strategic significance			Post intervention habitats: Temporal multiplier					Difficulty multipliers				Habitat units delivered	Comments		
				Distinctiveness	Score	Condition	Score	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	Urban	Developed land; sealed surface	0.06	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	Low	1	0.00	Proposed new buildings and hardstanding.		
2	Urban	Vegetated garden	0.09	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	0.17	Proposed new vegetated garden.		
3	Individual trees	Rural tree	0.0529	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	27	0	0	Standard time to target condition applied	27	0.382	Low	Standard difficulty applied	Low	1	0.16	Proposed new 13 trees. Trees antisipated to pass condition criteria A, B and F, therefore achieving Moderaet condition.		
4	Grassland	Modified grassland	0.02	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	0.04	Proposed new parcel of modified grassland. Habitat antisipated to fail condition criteria A, therefore, achieving Poor condition.		
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							
25																							
26																							
27																							
28																							
29																							
30																							
31																							
32																							
33																							
34																							
35																							
36																							
37																							
38																							
39																							
40																							
41																							
42																							
43																							
44																							
45																							
46																							
47																							
48																							
49																							
50																							
51																							
52																							
53																							
54																							
55																							
56																							
57																							
58																							
59																							
60																							
61																							
62																							
63																							
64																							
65																							
66																							
67																							
68																							
69																							
70																							
71																							
72																							
73																							
74																							
75																							
76																							
77																							
78																							
79																							
80																							
81																							
82																							
83																							
84																							
85																							
86																							
87																							
88																							
89																							
90																							
91																							
92																							
93																							
94																							
95																							
96																							
97																							
98																							
99																							
100																							
101																							
102																							
103																							
104																							
105																							
106																							
107																							
108																							
109																							
110																							
111																							
112																							
113																							
114																							
115																							
116																							
117																							
118																							
119																							
120																							
121																							
122																							
123																							
124																							
125																							
126																							
127																							
128																							
129																							
130																							
131																							
132																							
133																							
134																							
135																							
136																							
137																							
138																							
139																							
140																							
141																							
142																							
143																							
144																							
145																							
146																							
147																							
148																							
149																							
150																							
151																							
152																							

153																									
154																									
155																									
156																									
157																									
158																									
159																									
160																									
161																									
162																									
163																									
164																									
165																									
166																									
167																									
168																									
169																									
170																									
171																									
172																									
173																									
174																									
175																									
176																									
177																									
178																									
179																									
180																									
181																									
182																									
183																									
184																									
185																									
186																									
187																									
188																									
189																									
190																									
191																									
192																									
193																									
194																									
195																									
196																									
197																									
198																									
199																									
200																									
201																									
202																									
203																									
204																									
205																									
206																									
207																									
208																									
209																									
210																									
211																									
212																									
213																									
214																									
215																									
216																									
217																									
218																									
219																									
220																									
221																									
222																									
223																									
224																									
225																									
226																									
227																									
228																									
229																									
230																									
231																									
232																									
233																									
234																									
235																									
236																									
237																									
238																									
239																									
240																									
241																									
242																									
243																									
244																									
245																									
246																									

Total habitat area	0.22		
Site Area (Excluding area of individual trees, green walls, intertidal hard structures)	0.17		
M² to hectares conversion tool:	Select a unit	Hectares	M²

Total Units	0.37

Project Name: Map Reference:

B-2 On-Site Hedge Creation

Condense / Show Columns | Condense / Show Rows | Main Menu

Hedgerow summary	
Total Net Unit Change	0.39
Total Net % Change	N/A
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	1	Native hedgerow	0.117	Low	2	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	0.39	A new native hedgerow is proposed at the boundary of the new residential gardens. This hedgerow will be dominated by hawthorn, with frequent blackthorn (Prunus spinosa) and European spindle (Euonymus europaeus). This habitat is anticipated to fail condition criteria C1, C2, and D2; therefore, achieving Moderate condition.		
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21																								
22																								
23																								
24																								
25																								
26																								
27																								
28																								
29																								
30																								
31																								
32																								
33																								
34																								
35																								
36																								
37																								
38																								
39																								
40																								
41																								
42																								
43																								
44																								
45																								
46																								
47																								
48																								
49																								
50																								
51																								
52																								
53																								
54																								
55																								
56																								
57																								
58																								
59																								
60																								
61																								
62																								
63																								
64																								
65																								
66																								
67																								
68																								
69																								
70																								
71																								
72																								
73																								
74																								
75																								
76																								
77																								
78																								
79																								
80																								
81																								
82																								
83																								
84																								
85																								
86																								
87																								
88																								
89																								
90																								
91																								
92																								
93																								
94																								
95																								
96																								
97																								
98																								
99																								
100																								
101																								
102																								
103																								
104																								
105																								
106																								
107																								
108																								
109																								
110																								
111																								
112																								
113																								
114																								
115																								
116																								
117																								
118																								
119																								
120																								
121																								
122																								
123																								
124																								
125																								
126																								
127																								
128																								
129																								
130																								
131																								
132																								
133																								
134																								
135																								
136																								
137																								
138																								
139																								
140																								
141																								
142																								
143																								
144																								
145																								
146																								
147																								
148																								
149																								
150																								
151																								
152																								
153																								
154																								
155																								
156																								
157																								
158																								
159																								
160																								
161																								
162																								
163																								
164																								
165																								
166																								
167																								
168																								
169																								
170																								
171																								
172																								
173																								
174																								
175																								
176																								
177																								
178																								
179																								
180																								
181																								
182																								
183																								
184																								
185																								
186																								
187																								
188																								
189																								
190																								
191																								
192																								
193																								
194																								
195																								
196																								
197																								
198																								
199																								
200																								
201																								
202																								
203																								
204																								
205																								
206																								
207																								
208																								
209																								
210																								
211																								
212																								
213																								
214																								
215																								
216																								
217																								
218																								
219																								
220																								
221																								
222																								
223																								
224																								
225																								
226																								
227																								
228																								
229																								
230																								
231																								
232																								
233																								
234																								
235																								
236																								
237																								
238																								
239																								
240																								
241																								
242																								
243																								
244																								
245																								
246																								
247																								
248																								
			0.12																		0.39			