The Biodiversity Metric 3.0 - Calculation Tool
Start page

Project details	
Planning authority:	North Warwickshire DC
Project name:	South MIRA
Applicant:	Horiba MIRA
Application type:	
Planning application reference:	
Assessor:	James Calow
Reviewer:	Helen Griffin
Metric version:	Three
Assessment date:	02/03/2022
Planning authority reviewer:	

Instructions

Main menu

Results

Cell style conventions	
	Enter data
	Automatic lookup
	Result

View all

Reset view

On-site baseline map — Insert

On-site post intervention map — Insert

Off-site baseline map — Insert

Off-site post intervention map — Insert

The Biodiversity Metric 3.0 - Calculation Tool
Main menu

Urban tree helper		
Tree size	Tree number	Area
Small		0.0000
Medium		0.0000
Large		0.0000
Total	0.00	0.0000

Start page | Instructions | Technical data | Results

Start here

1 → 2 → 3 → 4

On-site baseline

- A-1 On-site habitat baseline
- B-1 On-site hedge baseline
- C-1 On-site river baseline

On-site post development

- A-2 Habitat creation
- A-3 Habitat enhancement
- B-2 Hedgerow creation
- B-3 Hedgerow enhancement
- C-2 River creation
- C-3 River enhancement

Off-site baseline

- D-1 Off-site habitat baseline
- E-1 Off-site hedge baseline
- F-1 Off-site river baseline

Off-site post development

- D-2 Off-site habitat creation
- D-3 Off-site habitat enhancement
- E-2 Off-site hedge creation
- E-3 Off-site hedge enhancement
- F-2 Off-site river creation
- F-3 Off-site river enhancement

The Biodiversity Metric 3.0 - Calculation Tool
Start page

Return to start page

Headline results

Detailed results

Habitat trading summary

South MIRA

Headline Results

Return to

On-site baseline	*Habitat units*	138.88
	Hedgerow units	26.86
	River units	5.89
On-site post-intervention (Including habitat retention, creation & enhancement)	*Habitat units*	138.52
	Hedgerow units	31.67
	River units	6.18
On-site net % change (Including habitat retention, creation & enhancement)	*Habitat units*	-0.25%
	Hedgerow units	17.89%
	River units	4.78%
Off-site baseline	*Habitat units*	0.00
	Hedgerow units	0.00
	River units	0.00
Off-site post-intervention (Including habitat retention, creation & enhancement)	*Habitat units*	0.00
	Hedgerow units	0.00
	River units	0.00
Total net unit change (including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units*	-0.35
	Hedgerow units	4.80
	River units	0.28
Total on-site net % change plus off-site surplus (including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units*	-0.25%
	Hedgerow units	17.89%
	River units	4.78%
Trading rules Satisfied?		No - Check Trading Summary

South MIRA

A-1 Site Habitat Baseline

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

	Habitats and areas			Distinctiveness		Condition		Strategic significance				Ecological baseline	Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments	
Ref	Broad habitat	Habitat type	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic Significance multiplier	Suggested action to address habitat losses	Total habitat units	Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area lost	Units lost		Assessor comments	Reviewer comments
1	Cropland	Cereal crops	67.64	Low	2	N/A - Agricultural	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	135.28	10.37		20.74	0.00	57.27	114.54			
2	Urban	Developed land; sealed surface	0.36	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			0.00	0.00	0.36	0.00			
3	Sparsely vegetated land	Ruderal/Ephemeral	0.09	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	0.18			0.00	0.00	0.09	0.18			
4	Grassland	Other neutral grassland	0.23	Medium	4	Fairly Poor	1.5	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required	1.38			0.00	0.00	0.23	1.38			
5	Heathland and shrub	Mixed scrub	0.08	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	0.64			0.00	0.00	0.08	0.64			
6	Lakes	Ponds (Non- Priority Habitat)	0.08	Medium	4	Fairly Poor	1.5	Within area formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required	0.55			0.00	0.00	0.08	0.55			
7	Urban	Vegetated garden	0.33	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	0.66			0.00	0.00	0.33	0.66			
8	Urban	Urban Tree	0.02	Medium	4	Moderate	2	Within area formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required	0.18	0.02		0.18	0.00	0.00	0.00			
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																					
			68.81									138.88	10.39	0.00	20.92	0.00	58.44	117.95			

South MIRA

A-2 Site Habitat Creation

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

Note: Habitat selected has a time to target condition greater than 30 years. Non standard agreement may be required.

Post development/ post intervention habitats																						
			Distinctiveness		Condition		Strategic significance			Temporal multiplier							Difficulty multipliers					Comments	
Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position 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	Habitat units delivered	Assessor comments	Reviewer comments
Urban	Vegetated garden	0.04	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	0.08		
Lakes	Ponds (Non- Priority Habitat)	2.4	Medium	4	Good	3	Within area formally identified in local strategy	High strategic significance	1.15	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	27.72		
Urban	Developed land; sealed surface	37.72	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	Medium	0.67	0.00		
Grassland	Other neutral grassland	3.01	Medium	4	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	10	0	0	Standard time to target condition applied	10	0.700	Low	Standard difficulty applied	Low	1	27.82		
Woodland and forest	Other woodland; broadleaved	11.89	Medium	4	Good	3	Within area formally identified in local strategy	High strategic significance	1.15	30+	0	0	Standard time to target condition applied	30+	0.320	Low	Standard difficulty applied	Low	1	52.47		
Urban	Introduced shrub	0.94	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	1.81		
Urban	Urban Tree	0.4	Medium	4	Good	3	Within area formally identified in local strategy	High strategic significance	1.15	30+	0	0	Standard time to target condition applied	30+	0.320	Low	Standard difficulty applied	Low	1	1.77	Assumes a 99% of 0.0015ha per tree with 265 trees planted	
Grassland	Other neutral grassland	1	Medium	4	Fairly Poor	1.5	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	3	0	0	Standard time to target condition applied	3	0.899	Low	Standard difficulty applied	Low	1	5.93		
Urban	Artificial unvegetated, unsealed surface	1.44	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		
	Total area	58.44																Total Units		117.60		

B-1 Site Hedge Baseline

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

	UK Habitats - existing habitats			Habitat distinctiveness		Habitat condition		Strategic significance			Suggested action to address habitat losses	Ecological baseline	Retention category biodiversity value						Comments	
Baseline ref	Hedge number	Hedgerow type	Length KM	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier		Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	Assessor comments	Reviewer comments
1		Native Hedgerow	3	Low	2	Moderate	2	Within area formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	13.80		1.96	0.00	9.02	1.04	4.78		
2		Native Species Rich Hedgerow	1.36	Medium	4	Moderate	2	Within area formally identified in local strategy	High strategic significance	1.15	Like for like or better	12.51		1.31	0.00	12.05	0.05	0.46		
3		Native Hedgerow with trees	0.06	Medium	4	Moderate	2	Within area formally identified in local strategy	High strategic significance	1.15	Like for like or better	0.55		0.06	0.00	0.55	0.00	0.00		
4																				
5																				
6																				
			4.42									26.86	0.00	3.33	0.00	21.62	1.09	5.24		

South MIRA

B-3 Site Hedge Enhancement

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

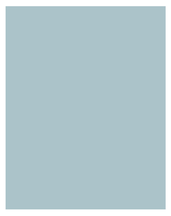
Baseline Habitats

Baseline ref	Baseline habitat	Length KM	Baseline distinctiveness band	Baseline distinctiveness score	Baseline condition category	Baseline condition score	Baseline strategic significance category	Baseline strategic significance score	Baseline habitat units	Suggested action
1	Native Hedgerow	3	Low	2	Moderate	2	High strategic significance	1.15	13.8	Same distinctiveness band or better
2	Native Species Rich Hedgerow	1.36	Medium	4	Moderate	2	High strategic significance	1.15	12.512	Like for like or better
3	Native Hedgerow with trees	0.06	Medium	4	Moderate	2	High strategic significance	1.15	0.552	Like for like or better

Post development/ post intervention habitats

Baseline ref	Proposed (Pre-Populated but can be overridden)	Change in distinctiveness and condition: Distinctiveness movement	Change in distinctiveness and condition: Condition movement	Length KM	Distinctiveness	Distinctiveness Score	Condition	Condition Score	Strategic significance	Strategic significance	Strategic position multiplier
1	Native Hedgerow	Low - Low	Moderate - Good	1.96	Low	2	Good	3	Within area formally identified in local strategy	High strategic significance	1.15
2	Native Species Rich Hedgerow	Medium - Medium	Moderate - Good	1.31	Medium	4	Good	3	Within area formally identified in local strategy	High strategic significance	1.15
3	Native Hedgerow with trees	Medium - Medium	Moderate - Good	0.06	Medium	4	Good	3	Within area formally identified in local strategy	High strategic significance	1.15
				3.33							

Baseline ref	Temporal multiplier: Standard Time to target condition/years	Habitat enhanced in advance/years	Delay in starting habitat enhancement/years	Standard or adjusted time to target condition	Final time to target condition/years	Final Time to target multiplier	Difficulty risk multipliers: Standard difficulty of enhancement	Applied difficullty multiplier	Final difficulty of enhancement	Difficulty multiplier applied	Hedge units delivered	Comments: Assessor comments	Reviewer comments
1	2	0	0	Standard time to target condition applied	2	0.931	Low	Standard difficulty applied	Low	1	13.21		
2	2	0	0	Standard time to target condition applied	2	0.931	Low	Standard difficulty applied	Low	1	17.66		
3	4	0	0	Standard time to target condition applied	4	0.867	Low	Standard difficulty applied	Low	1	0.79		
											31.67		



C-1 Site River Baseline

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

Existing river type			Habitat distinctiveness		Habitat condition		Strategic significance			Watercourse encroachment		Riparian encroachment		Suggested action	Ecological baseline
Baseline ref	River type	Length KM	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier	Extent of encroachment	Multiplier	Extent of encroachment	Multiplier		Total river units
1	Other Rivers and Streams	0.67	High	6	Fairly Poor	1.5	Within Local Plans	High strategic significance	1.15	No Encroachment	1	Moderate	0.85	Restore	5.89
2															
3															
4															
5															
		0.67													5.89

Retention category biodiversity value						Comments	
Length retained	Length enhanced	Units retained	Units enhanced	Length Lost	Units Lost	Assessor Comments	Reviewer comments
	0.65	0.00	5.72	0.02	0.18		
0.00	0.65	0.00	5.72	0.02	0.18		

C-3 Site River Enhancement

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

	Baseline habitats															
Baseline ref	Baseline habitat	Length KM	Baseline distinctiveness band	Baseline distinctiveness score	Baseline condition category	Baseline condition score	Baseline strategic significance category	Strategic significance	Baseline strategic significance Score	Suggested action	Total units	Proposed River Type (Pre-populated can be overridden)	Change in distinctiveness and condition: Distinctiveness movement	Change in distinctiveness and condition: Condition movement	Length KM	
1	Other Rivers and Streams	0.67	High	6	Fairly Poor	1.5	Within Local Plans	High strategic significance	1.15	Restore	5.894325	Other Rivers and Streams	High - High	Fairly Poor - Moderate	0.65	
															0.65	

Post development/ post intervention habitats

Baseline ref	Habitat distinctiveness: Distinctiveness	Habitat distinctiveness: Score	Habitat condition: Condition	Habitat condition: Score	Strategic significance: Strategic significance	Strategic significance: Strategic significance	Strategic significance: Strategic position multiplier	Temporal multiplier: Standard Time to target condition/years	Temporal multiplier: Habitat enhanced in advance/years	Temporal multiplier: Delay in starting habitat enhancement/years	Temporal multiplier: Standard or adjusted time to target condition	Temporal multiplier: Final time to target condition/years	Temporal multiplier: Final Time to target multiplier	Difficulty multipliers: Standard difficulty of enhancement	Difficulty multipliers: Applied difficullty multiplier	Difficulty multipliers: Final difficulty of enhancement	Difficulty multipliers: Difficulty multiplier applied	Watercourse encroachment: Extent of encroachment	Watercourse encroachment: Multiplier	Riparian encroachment: Extent of encroachment	Riparian encroachment: Multiplier	River units delivered	Comm: Assessor comments
1	High	6	Moderate	2	Delivery within Local Plans	High strategic significance	1.15	2	0	0	Standard time to target condition applied	2	0.931	Medium	Standard difficulty applied	Medium	0.67	Minor	0.8	Minor	0.95	6.18	
																						6.18	


Reviewer comments