

APPENDIX 8.5

DRAFT BIODIVERSITY METRIC

Module 3.0 - Calculation Tool

main menu

Technical data

Results

Tree size
Small
Medium
Large
Total

3

Off-site baseline

D-1
Off-site
habitat baseline

E-1
Off-site hedge
baseline

F-1
Off-site river
baseline

Off-site

D-2 Off-site habi
creation

E-2 Off-site hedg
creation

F-2 Off-site rive
creation

Urban tree helper

Tree number	Area
10	0.0045
10	0.0407
10	0.1130
30.00	0.1583



Post development



D-3 Off-site habitat enhancement



E-3 Off-site hedge enhancement



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

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Headline Results

Return to results menu

On-site baseline	<i>Habitat units</i>	37.98
	<i>Hedgerow units</i>	17.86
	<i>River units</i>	0.00
On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	42.69
	<i>Hedgerow units</i>	21.23
	<i>River units</i>	0.00
On-site net % change <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	12.40%
	<i>Hedgerow units</i>	18.82%
	<i>River units</i>	0.00%
Off-site baseline	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Total net unit change <small>(including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	4.71
	<i>Hedgerow units</i>	3.36
	<i>River units</i>	0.00
Total on-site net % change plus off-site surplus <small>(including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	12.40%
	<i>Hedgerow units</i>	18.82%
	<i>River units</i>	0.00%
Trading rules Satisfied?	Yes	

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A-1 Site Habitat Baseline

Condense / Show Columns Condense / Show Rows

Main Menu Instructions

Ref	Habitats and areas			Distinctiveness		Condition		Strategic significance			Suggested action to address habitat losses	Ecological baseline		Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses		Comments	
	Broad habitat	Habitat type	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 lost	Units lost	Assessor comments	Reviewer comments			
1	Cropland	Cereal crops	16.40204071	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	32.80	0		0.00	0.00	16.40	32.80		Cultivated land to be lost			
2	Grassland	Modified grassland	0.89176278	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	3.57	0		0.00	0.00	0.89	3.57		Moderate quality agricultural grassland			
3	Woodland and forest	Lowland mixed deciduous woodland	0.13384485	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required	1.61	0.133845		1.61	0.00	0.00	0.00		Woodland belt to be retained and safeguarded during construction			
4	Urban	Developed land; sealed surface	0.87235	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	0.87235		0.00	0.00	0.00	0.00		Hard standing associated with road			

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

Check Areas - Area of development footprint and habitat creation exceeds the area of habitats lost

Post development/ post intervention habitats

Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance	Temporal multiplier		Difficulty	Habitat units delivered	Comments	
			Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition/years	Final difficulty of creation		Assessor comments	Reviewer comments
Urban	Developed land; sealed surface	8.21	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Medium	0.00	Outline only - Area of built development and existing road	
Urban	Sustainable urban drainage feature	0.53	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	3	Medium	1.28	Outline only - Attenuation ponds to be planted with appropriate native mix & managed via LEMP. Total attenuation area is 1.66Ha	
Grassland	Floodplain Wetland Mosaic (CFGM)	1.13	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	High	3.13	Outline only - Area around attenuation feature to be wet grassland or similar and managed via a LEMP	
Urban	Introduced shrub	0.295	Low	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.57	Outline only - area of Park and garden assumed 50% amenity grassland 50% introduced shrubs	
Grassland	Modified grassland	0.295	Low	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.57	Outline only - area of Park and garden assumed 50% amenity grassland 50% introduced shrubs	
Grassland	Modified grassland	1.02	Low	Fairly Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	2.85	Outline only - Amenity greenspace	
Grassland	Lowland meadows	5.115	V.High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	High	18.91	Outline only - 3/4 of Hybrid greenspace assumed to be grassland . Assumes a conservation mix grassland/wildflower area managed for biodiversity via a LEMP.	
Heathland and shrub	Mixed scrub	1.705	Medium	Fairly Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	7	Low	13.29	Outline only - 1/4 of Hybrid greenspace assumed to be mixed scrub (native) and managed for biodiversity via a LEMP.	
Urban	Urban Tree	0.1583	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	27	Low	0.48	Outline only - 3no. Trees select native tree species of small - large size	

Hedge ID	Hedge habitat	Length (M)	Baseline Habitat							Proposed (Pre-Populated but can be overridden)	Change in disturbance and condition		Length (M)	Disturbance		Condition		Fuel development/ post intervention habitat			Timestep multiplier					Difficulty risk multipliers			Hedge value delivered	Comments				
			Baseline disturbance level	Baseline disturbance score	Baseline condition category	Baseline condition score	Baseline strategic significance category	Baseline strategic significance score	Baseline habitat value		Suggested action	Disturbance increment		Condition increment	Disturbance	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position 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	Standard difficulty of enhancement		Applied difficulty multiplier	Final difficulty of enhancement	Difficulty multiplier applied	Assessor comments	Reviewer comments
			Medium	4	Moderate	2	Low Strategic Significance	1	10.52		None to Low to High	Medium - Medium		Moderate - Good	Medium	4	Good	3	As well compensated but is local only with some strategic significance	None Strategic Significance	1	4			Standard time to target condition - 4 years	4	0.887	Low		Standard difficulty applied	Low	1	15.04	Assessor retained judgement to be supplementary standard not accepted
1	Native Hedgecore with trees	1,315	Medium	4	Moderate	2	Low Strategic Significance	1	10.52	None to Low to High	Medium - Medium	Moderate - Good	Medium	4	Good	3	As well compensated but is local only with some strategic significance	None Strategic Significance	1	4			Standard time to target condition - 4 years	4	0.887	Low	Standard difficulty applied	Low	1	15.04	Assessor retained judgement to be supplementary standard not accepted			