

Appendix I.13 Biodiversity Metric

Site name: East Reading MRT**Planning reference number: East Reading MRT**

	Habitat Area (ha)	Hedgerow impact (km)	Connectivity Features (km)	Habitat Biodiversity Value	Hedgerow Biodiversity Value	Connectivity Biodiversity Value
Existing						
Onsite Biodiversity Impact	2.93	0.00	0.00	14.29	0.00	0.00
Indirect Biodiversity Impact	0.00	0.00	0.00	0.00	0.00	0.00
Total habitat / linear features impacted	2.93	0.00	0.00	14.29	0.00	0.00
Retained / Created / Enhanced						
Onsite biodiversity retained	0.25	0.00	0.00	3.90	0.00	0.00
Onsite Creation	2.93	0.00	0.00	8.80	0.00	0.00
Biodiversity retained and enhanced	0.28	0.00	0.00	3.71	0.00	0.00
Total biodiversity retained/enhanced	3.46	0.00	0.00	16.41	0.00	0.00
Trading Down	n/a	n/a	n/a	0.00	0.00	0.00
Biodiversity Impact	n/a	n/a	n/a	2.12	0.00	0.00

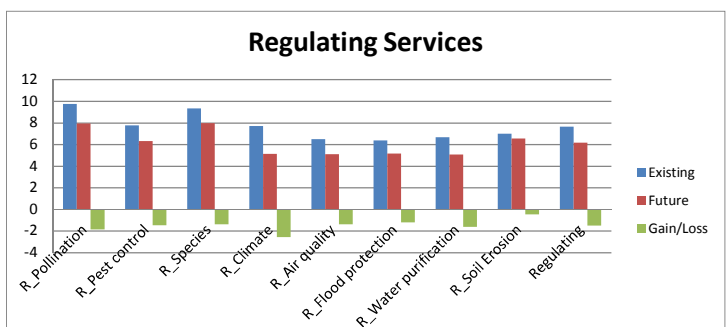
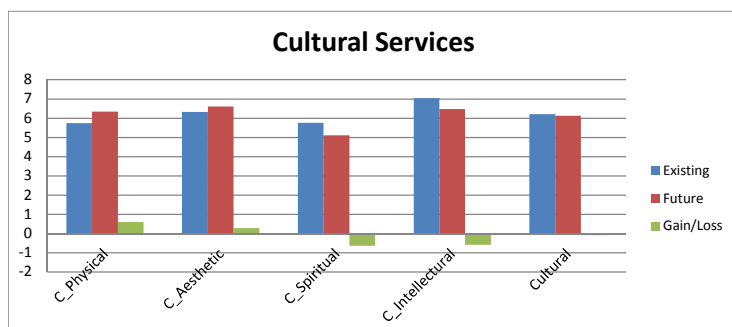
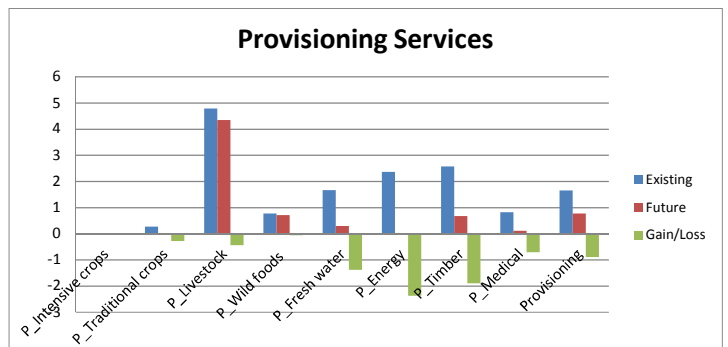
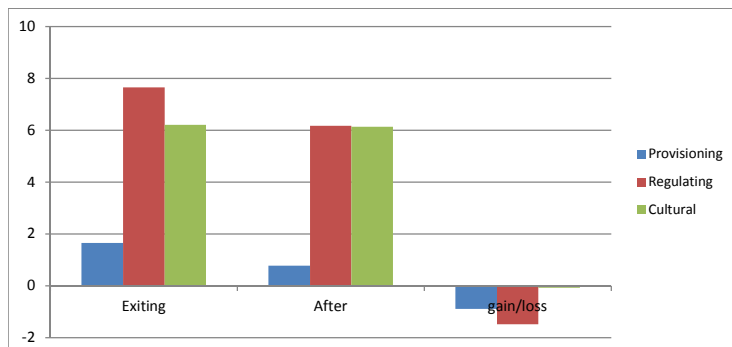
CAUTION - Destruction of habitats of high distinctiveness, e.g. lowland meadow or species-rich hedgerows, may be against local policy. Has the mitigation hierarchy been followed, can impact to these habitats be avoided?

Habitat Impacts	Loss	Gain	Impact	%age losses	Compensatory Unit loss	Indicative Offset (ha)	WCC Offset units	WCC Offset Contribution	Warwickshire County Council is currently transferring 'Other' habitat loss to Wetland Creation
Woodland Habitat	5.28	1.18	-4.10						
Grassland Habitat	0.76	9.45	8.69						
Wetland Habitat	0.36	0.50	0.14						
Other Habitat (incl. Built Env)	2.61	0.00	-2.61			Transferred to Wetland			
Total	9.01	11.13	2.12	0.00	0.00	0.00	0.00	£0	
		Trading down	0.00						
			2.12						

Hedgerow Impacts	Loss	Gain	Trading down	Impact	Unit loss	Indicative Offset (ha)	WCC Offset units	WCC Offset Contribution
Hedgerow	0.00	0.00		0.00				

SUMMARY

This development will result in 2.12 Habitat Biodiversity Units gain; 0 Hedgerow Units loss and 0 Connectivity Biodiversity Units loss

ECOSYSTEM SERVICES ANALYSIS

For any questions with regard to biodiversity impact and this development please contact Warwickshire County Council Ecological Services:
email: planningecology@warwickshire.gov.uk or telephone 01926 418060

CAUTION - Destruction of habitats of high distinctiveness, e.g. lowland meadow or ancient woodland, may be against local policy. Has the mitigation hierarchy been followed, can impact to these habitats be avoided? Any unavoidable loss of habitats of high distinctiveness must be replaced like-for-like.

	Proposed habitats on site (Onsite mitigation)			Target habitats distinctiveness		Target habitat condition			Time till target condition		Difficulty of creation / restoration		Habitat biodiversity value	T. Note	
	code	Phase 1 habitat description	Area (ha)	Distinctiveness	Score	Condition	Score		Time (years)	Score	Difficulty	Score	(N x O x P) / Q / R		Comment
		Habitat Creation	N		O		P			Q		R			
	F22	Wetland: Inundation vegetation	0.02	High	6	Good	3		5 years	1.2	Low	1	0.30		From within redline. This habitat represents the marginal shelf to be included along the southern bank of the River.
	n/a	Built Environment: Buildings/hardstanding	1.61	none	0	Poor	1		3 Years	1.1	Low	1	0.00		From within redline. The hardstanding represents the structure itself along with associated pathways. This minimum area will remain as built environment.
	A112	Woodland: Broad-leaved plantation	0.01	Medium	4	Good	3		15 years	1.7	Medium	1.5	0.05		From within redline. Represents hedgerow area.
	B5	Grassland: Marsh / Marshy grassland	0.09	High	6	Good	3	5 years	1.2	High	3	0.45	From within redline. Represents areas of wetland habitat / planting beneath the structure, to included Loddon Line.		
	B22	Grassland: Semi-improved neutral grassland	1.14	Medium	4	Good	3	5 years	1.2	Medium	1.5	7.60	From within redline, Represents shade / tussocky grassland.		
	B22	Grassland: Semi-improved neutral grassland	0.06	Medium	4	Good	3	5 years	1.2	Medium	1.5	0.40	From within redline. Represents wildflower grassland.		

		Loss	Gain	Impact
Other Habitat (including Built Environment)	Woodland Habitat	5.28	1.18	-4.10
	Grassland Habitat	0.76	9.45	8.69
	Wetland Habitat	0.36	0.50	0.14
		2.61	0.00	-2.61
	Total	9.01	11.13	2.12
		Trading down		0.00
				2.12