

Site name: Land off Berry Hill Road, Adderbury

Planning reference number: to be copied from the BIA sheet

	Habitat Area (ha)	Hedgerow impact (km)	Connectivity Features (km)	Habitat Biodiversity Value	Hedgerow Biodiversity Value	Connectivity Biodiversity Value
<b>Existing</b>						
Onsite Biodiversity Impact	3.88	0.00	0.00	8.69	8.88	0.00
Indirect Biodiversity Impact	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total habitat / linear features impacted</b>	<b>3.88</b>	<b>0.00</b>	<b>0.00</b>	<b>8.69</b>	<b>8.88</b>	<b>0.00</b>
<b>Retained / Created / Enhanced</b>						
Onsite biodiversity retained	0.12	0.00	0.00	0.96	8.88	0.00
Onsite Creation	3.88	0.30	0.00	8.22	0.76	0.00
Biodiversity retained and enhanced	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total biodiversity retained/enhanced</b>	<b>4.00</b>	<b>0.30</b>	<b>0.00</b>	<b>9.18</b>	<b>9.64</b>	<b>0.00</b>
<b>Trading Down</b>	n/a	n/a	n/a	0.00	-0.50	0.00
<b>Biodiversity Impact</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0.49</b>	<b>0.26</b>	<b>0.00</b>

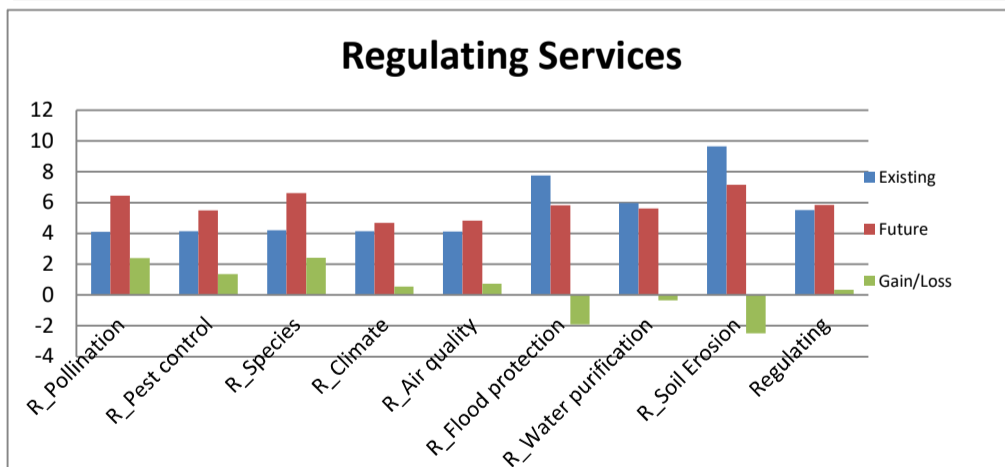
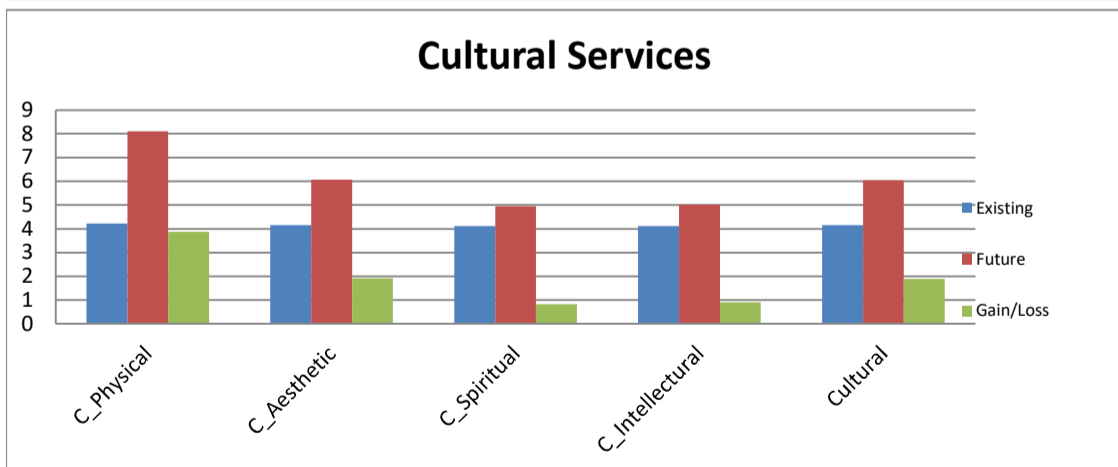
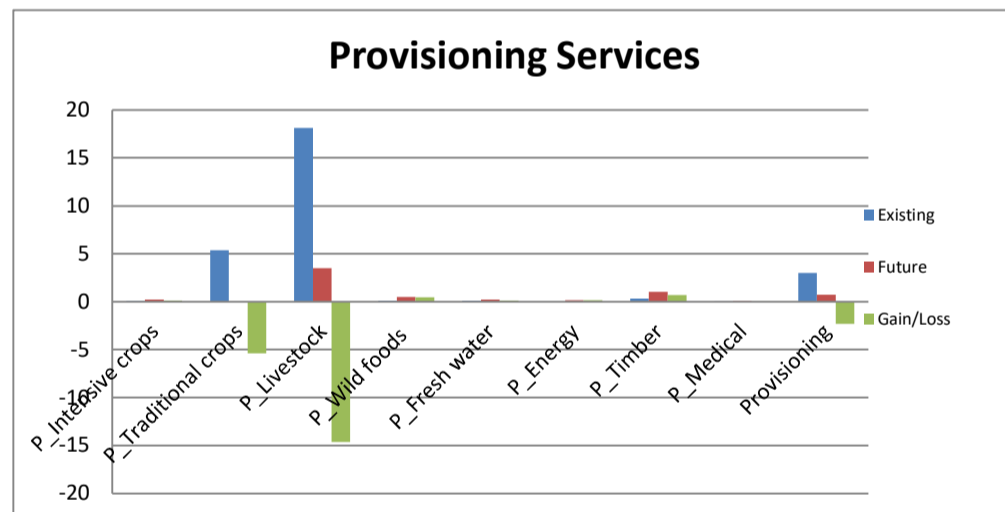
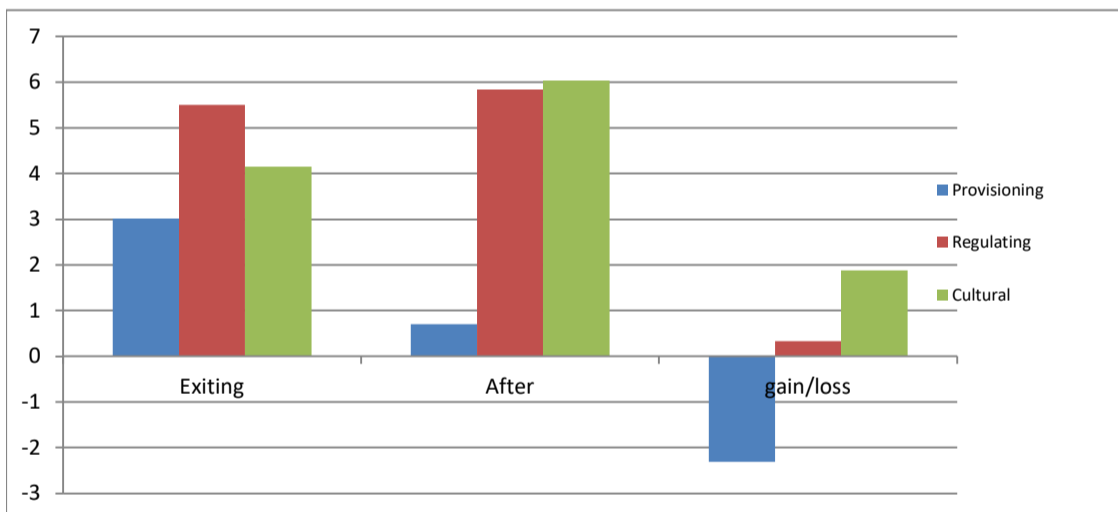
Habitat Impacts	Loss	Gain	Impact	%age losses	Compensatory Unit loss	Indicative Offset (ha)	WCC Offset units	WCC Indicative Offset Contribution
Woodland Habitat	0.16	1.02	0.86					
Grassland Habitat	7.18	6.27	-0.91					
Wetland Habitat	0.00	0.00	0.00					
Other Habitat (incl. Built Env)	0.39	0.93	0.54					
<b>Total</b>	<b>7.73</b>	<b>8.22</b>	<b>0.49</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>£0</b>
		Trading down	0.00					
			0.49					

Hedgerow Impacts	Loss	Gain	Trading down	Impact	Unit loss	Indicative Offset (km)	WCC Offset units	WCC Offset Contribution
Hedgerow	0.00	0.76	-0.50	0.26				

**SUMMARY**

This development will result in 0.49 Habitat Biodiversity Units gain; 0.26 Hedgerow Units gain 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](mailto:planningecology@warwickshire.gov.uk) or telephone 01926 418060

Warwickshire, Coventry & Solihull - Habitat Impact Assessment Calculator

KEY	
No action required	
Enter value	
Drop-down menu	
Calculation	
Automatic lookup	
Automatic Condition setting	
Result	

Local Planning Authority:	Other
Site name:	Land off Berry Hill Road, Adderbury
Planning application reference number:	
Assessor:	RY
Date:	16/01/2023

Please fill in both tables  
Please do not edit the formulae or structure  
To condense the form for display hide vacant rows, do not delete them  
If additional rows are required, or to provide feedback on the calculator please contact WCC Ecological Services 01926 418060

Existing habitats on site Please enter all habitats within the site boundary			Habitat distinctiveness		Habitat condition		Habitats to be retained with no change within development		Habitats to be retained and enhanced within development		Habitats to be lost within development		Comment	
T. Note	code	Phase 1 habitat description	Habitat area (ha)	Distinctiveness	Score	Condition	Score	Area (ha)	Existing value	Area (ha)	Existing value	Area (ha)		Existing value
Direct impacts and retained habitats				A	B	C	A x B x C = D	E	A x B x E = F	G	A x B x G = H			
n/a		Built Environment: Buildings/hardstanding	0.11	none	0	Poor	1					0.11	0.00	Existing buildings and hardstanding.
J4		Other: Bare ground	0.09	Low	2	Poor	1					0.09	0.18	Existing patches of bare ground.
B4		Grassland: Improved grassland	3.59	Low	2	Poor	1					3.59	7.18	Existing grazed, improved grassland.
C31		Other: Tall ruderal	0.07	Medium-Low	3	Poor	1					0.07	0.21	Existing tall ruderal.
A3		Woodland: Scattered trees	0.14	Medium	4	Moderate	2	0.12	0.96			0.02	0.16	Existing scattered trees. One lost, with eight retained.
Total			4.00					0.12	0.96	0.00	0.00	3.88	7.73	J
Indirect Negative Impacts												Site habitat biodiversity value	$\sum D + \sum F + \sum H$	8.69
Before/after Including off site habitats impact			K					Value of loss from indirect impacts $K \times A \times B = Li, Lii$						
Before														
After														
Before														
After														
Before														
After														
Before														
After														
Total			0.00					0.00	M					HIS = J + M
Habitat Impact Score (HIS)												7.73		

Proposed habitats on site (Onsite mitigation)			Target habitat distinctiveness		Target habitat condition		Time till target condition		Difficulty of creation / restoration		Habitat biodiversity value	Comment	
T. Note	code	Phase 1 habitat description	Area (ha)	Distinctiveness	Score	Condition	Score	Time (years)	Score	Difficulty	Score		$(N \times O \times P) / Q / R$
Habitat Creation			N	O	P	Q	R						
n/a		Built Environment: Buildings/hardstanding	1.34	none	0	Poor	1	3 Years	1.1	Low	1	0.00	Proposed buildings and hardstanding.
n/a		Built Environment: Gardens (lawn and planting)	0.46	Low	2	Poor	1	3 Years	1.1	Low	1	0.84	Proposed residential gardens.
J14		Other: Introduced shrub	0.05	Low	2	Poor	1	3 Years	1.1	Low	1	0.09	Proposed introduced shrub.
J12		Grassland: Amenity grassland	0.11	Low	2	Poor	1	3 Years	1.1	Low	1	0.20	Proposed amenity grassland comprising amenity turves.
B22		Grassland: Semi-improved neutral grassland	0.16	Medium	4	Moderate	2	3 Years	1.1	Medium	1.5	0.78	Proposed EG10 tussock grass mixture.
J12		Grassland: Amenity grassland	0.82	Low	2	Poor	1	3 Years	1.1	Low	1	1.49	Proposed EG22 strong lawn grass mixture.
B22		Grassland: Semi-improved neutral grassland	0.19	Medium	4	Moderate	2	3 Years	1.1	Medium	1.5	0.92	Proposed EH1 hedgerow mixture.
B22		Grassland: Semi-improved neutral grassland	0.37	Medium	4	Good	3	3 Years	1.1	Medium	1.5	2.69	Proposed EM2 standard purpose general meadow mixture.
B22		Grassland: Semi-improved neutral grassland	0.04	Medium	4	Moderate	2	3 Years	1.1	Medium	1.5	0.19	Proposed EM8 meadow mixture for wetlands.
A112		Woodland: Broad-leaved plantation	0.11	Medium	4	Moderate	2	25 years	2.4	Medium	1.5	0.24	Proposed native woodland and understorey planting in north of development.
A3		Woodland: Scattered trees	0.18	Medium	4	Moderate	2	25 years	2.4	Low	1	0.60	Proposed scattered trees throughout development.
A21		Woodland: Dense continuous scrub	0.05	Medium-Low	3	Moderate	2	15 years	1.7	Low	1	0.18	Proposed species-rich thicket mix along western boundary of development.
Total			3.88										
Habitat Enhancement												$((N \times O \times P) - S) / Q / R$	
Total			0.00										
Trading down correction value												0.00	
Habitat Mitigation Score (HMS)												8.22	
Habitat Biodiversity Impact Score												0.49	
Percentage of biodiversity impact loss												Gain	

	Loss	Gain	Impact
Woodland Habitat	0.16	1.02	0.86
Grassland Habitat	7.18	6.27	-0.91
Wetland Habitat	0.00	0.00	0.00
Other Habitat (including Built Environment)	0.39	0.93	0.54
Total	7.73	8.22	0.49
Trading down			0.00
			0.49

Warwickshire, Coventry & Solihull - Hedge Impact Assessment Calculator

Please fill in both tables

**CVI**  
 Full width assessment  
 Linear value  
 Overall hedge status  
 Calculated  
 Calculated (K)  
 Overall Status

This sheet calculates the impacts to hedges and trees to and around the site.  
 These only are not treatment as compensation for either the Habitat or Connectivity Impact Assessment scores.

Please do not fill the function or structure  
 To complete the form for features that require  
 sites, do not delete them  
 If treatment are not required  
 in to provide functions in the calculator  
 please contact WCC Ecological Services.

Existing Hedge Features on site				Hedge Characteristics		Hedge Condition Assessments								Hedge Status to be retained with no change within development		Hedge Breachability Value		Hedge Features to be lost within development		Comment
U ID#	Hedge Feature Description	Feature Length (m)	Distance (m)	A1	A2	B1	B2	C1	C2	D1	D2	Condition Score	Length (m)	Structure	Length (m)	Structure	Length (m)	Structure		
01	Hedge_01	10	10	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	10	Structure	10	Structure	10	Structure		
<b>Subtotal</b>												Value of loss from retained areas		Value of loss from lost areas						
												K x L x B		L x L						

Proposed Hedge Features on site (Once established)				Target Hedge Characteristics		Hedge Condition Assessments								Tree 10 Target Condition		Difficulty of creation / replacement		Linear Assessment	Comment
U ID#	Hedge Feature Description	Feature Length (m)	Distance (m)	A1	A2	B1	B2	C1	C2	D1	D2	Condition Score	Length (m)	Structure	Length (m)	Structure	Score	Score	
02	Hedge_02	10	10	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	10	Structure	10	Structure	1	1	
03	Hedge_03	10	10	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	10	Structure	10	Structure	1	1	
<b>Subtotal</b>												Value of loss from proposed areas		Value of loss from lost areas					
												K x L x B		L x L					

**CVI**  
 Full width assessment  
 Linear value  
 Overall hedge status  
 Calculated  
 Calculated (K)  
 Overall Status

Please do not fill the function or structure  
 To complete the form for features that require  
 sites, do not delete them  
 If treatment are not required  
 in to provide functions in the calculator  
 please contact WCC Ecological Services.

Please fill in both tables



**Habitat trading down correction calculator**

**Existing Site**

Existing habitat	Area of habitat impact	Distinctiveness	High distinctiveness habitat loss biodiversity value	Medium-High distinctiveness habitat loss biodiversity value	Medium distinctiveness habitat loss biodiversity value	Medium-Low distinctiveness habitat loss biodiversity value
<b>Direct impacts</b>						
Built Environment: Buildings/hardstanding	0.11	none	0.00	0.00	0.00	0.00
Other: Bare ground	0.09	Low	0.00	0.00	0.00	0.00
Grassland: Improved grassland	3.59	Low	0.00	0.00	0.00	0.00
Other: Tall ruderal	0.07	Medium-Low	0.00	0.00	0.00	0.21
Woodland: Scattered trees	0.02	Medium	0.00	0.00	0.16	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
<b>Indirect impacts</b>						
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>3.88</b>		<b>0.00</b>	<b>0.00</b>	<b>0.16</b>	<b>0.21</b>

**Proposed Site**

Proposed habitat creation	Area of habitat creation	Distinctiveness	High distinctiveness proposed biodiversity value	Medium-High distinctiveness proposed biodiversity value	Medium distinctiveness proposed biodiversity value	Medium-Low distinctiveness proposed biodiversity value
Built Environment: Buildings/hardstanding	1.34	none	0.00	0.00	0.00	0.00
Built Environment: Gardens (lawn and planting)	0.46	Low	0.00	0.00	0.00	0.00
Other: Introduced shrub	0.05	Low	0.00	0.00	0.00	0.00
Grassland: Amenity grassland	0.11	Low	0.00	0.00	0.00	0.00
Grassland: Semi-improved neutral grassland	0.16	Medium	0.00	0.00	0.78	0.00
Grassland: Amenity grassland	0.82	Low	0.00	0.00	0.00	0.00
Grassland: Semi-improved neutral grassland	0.19	Medium	0.00	0.00	0.92	0.00
Grassland: Semi-improved neutral grassland	0.37	Medium	0.00	0.00	2.69	0.00
Grassland: Semi-improved neutral grassland	0.04	Medium	0.00	0.00	0.19	0.00
Woodland: Broad-leaved plantation	0.11	Medium	0.00	0.00	0.24	0.00
Woodland: Scattered trees	0.18	Medium	0.00	0.00	0.60	0.00
Woodland: Dense continuous scrub	0.05	Medium-Low	0.00	0.00	0.00	0.18
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
<b>Proposed habitat enhancement</b>	<b>Area</b>	<b>Distinctiveness</b>	<b>High</b>	<b>Medium-High</b>	<b>Medium</b>	<b>Medium-Low</b>
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>3.88</b>		<b>0.00</b>	<b>0.00</b>	<b>5.42</b>	<b>0.18</b>

**Trading Down Correction**

	High	Medium-High	Medium	Medium-Low
Value of existing habitat loss per distinctiveness	0.00	0.00	0.16	0.21
Value of created habitats per distinctiveness	0.00	0.00	5.42	0.18
Would this result in trading down habitats?	Never	No	No	No
If no, value each distinctiveness still requiring compensation	0	0	0	0
Surplus gain to be carried over to compensate loss of lower habitats (rolls over)	0	0	5.26	5.23
Trading down correction value	n/a	0	0	0

This calculator assess whether there is any down trading in habitats value. E.g. loss of high distinctiveness habitat cannot be compensated for by surplus medium mitigation. It ca value which enters into the primary calculator to take this into account. Such that the full level of high habitat loss compensation is required. However if additional medium gain is g value of the high loss, this surplus is still be taken into account with on site gain.

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.



**Linear trading down correction calculator**

**Existing Site**

Existing linear features	length of loss (km)	Distinctiveness	High distinctiveness linear loss biodiversity value	Medium-High distinctiveness linear loss biodiversity value	Medium distinctiveness linear loss biodiversity value	Medium-Low distinctiveness linear loss biodiversity value	Low distinctiveness linear loss biodiversity value
Direct impacts							
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
Indirect impacts							
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
-	-	-	0.00	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**Proposed Site**

Proposed linear creation	Length of feature (km)	Distinctiveness	High distinctiveness proposed linear biodiversity value	Medium-High distinctiveness proposed linear biodiversity value	Medium distinctiveness proposed linear biodiversity value	Medium-Low distinctiveness proposed linear biodiversity value	Low distinctiveness proposed linear biodiversity value
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
Proposed linear enhancement	Length	Distinctiveness	High	Medium-High	Medium	Medium-Low	Low
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
-	0.00	-	0.00	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**Linear trading down correction**

	High	Medium-High	Medium	Medium-Low	Low	
Value of existing habitat loss per distinctiveness	0.00	0.00	0.00	0.00	0.00	
Value of created habitats per distinctiveness	0.00	0.00	0.00	0.00	0.00	
Would this result in trading down habitats?	Never	No	No	No	No	
If no, value each distinctiveness still requiring compensation	0	0	0	0	0.00	
Surplus gain to be carried over to compensate loss of lower habitats (rolls over)	0	0	0	0	n/a	<b>Total</b>
Trading down correction value	n/a	0	0	0	0	<b>0.00</b>

This calculator assess whether there is any down trading in linear habitats. E.g. loss of high distinctiveness habitat and surplus creation of medium or low habitats. It calculates a correction value which enters into the primary calculator to take this into account. Such that the full level of high habitat loss compensation is required. However if additional medium gain is generated above the value of the high loss, this surplus is still be taken into account with on site gain.

CAUTION - Destruction of each habitat of medium distinctiveness and above should be mitigated for with creation/restoration of a similar habitat. Trading up of habitat type is encouraged.



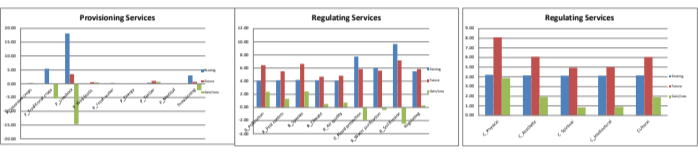


VALUE

		4.00	7.73	Woodland					Grassland					Wetland					Other (including Built Gardens)					Built Environment						
		Distinctiveness	Area	Value	High	Medium-High	Medium	Medium-Low	Low	High	Medium-High	Medium	Medium-Low	Low	High	Medium-High	Medium	Medium-Low	Low	High	Medium-High	Medium	Medium-Low	Low	High	Medium-High	Medium	Medium-Low	Low	
n/a	Built Environment: Buildings/hardstanding	none	0.11	0.00																										
14	Other: Bare ground	Low	0.09	0.18																										
B4	Grassland: Improved grassland	Low	3.59	7.18										7.18																
C31	Other: Tall ruderal	Medium-Low	0.07	0.21																										
A3	Woodland: Scattered trees	Medium	0.14	0.16					0.16																					
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											
	0		0.00																											

Code	Name	2019												2020												2021												2022												Total
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
000	Provisioning Services	1,234	1,345	1,456	1,567	1,678	1,789	1,890	1,901	2,012	2,123	2,234	2,345	2,456	2,567	2,678	2,789	2,890	2,901	3,012	3,123	3,234	3,345	3,456	3,567	3,678	3,789	3,890	3,901	4,012	4,123	4,234	4,345	4,456	4,567	4,678	4,789	4,890	4,901	5,012	5,123	5,234	5,345	21,567						
001	Regulating Services	1,234	1,345	1,456	1,567	1,678	1,789	1,890	1,901	2,012	2,123	2,234	2,345	2,456	2,567	2,678	2,789	2,890	2,901	3,012	3,123	3,234	3,345	3,456	3,567	3,678	3,789	3,890	3,901	4,012	4,123	4,234	4,345	4,456	4,567	4,678	4,789	4,890	4,901	5,012	5,123	5,234	5,345	21,567						

CODE	DESCRIPTION	REFERENCE
001	Provisioning Services	...
002	Regulating Services	...
003	...	...



Code	Name	2019 Total	2020 Total	2021 Total	2022 Total
000	Provisioning Services	21,567	21,567	21,567	21,567
001	Regulating Services	21,567	21,567	21,567	21,567

Index Link 3.61% 1.752242  
 Insurance Fund 10.00%  
 Management Cost 20.00%

Woodland

Biodiversity Impact Score	Primary habitat required in offset	Target habitat distinctiveness		Target habitat condition		Time till target condition		Difficulty of creation		Non-strategic area	Hectares of habitat required
		Distinctiveness	Score	Condition	Score	Time (years)	Score	Difficulty	Score		
0.00	Woodland, Broad-leaved semi-natural woodland	High	6	Moderate	2	30	2.8	Medium	1.5	2	0.00

Provider Agreement Set up costs	Average Woodland creation cost per ha	Woodland maintenance cost per ha for 30 years	30 yrs Maintenance Cost plus inflation at	Estimated cost of offset	Insurance Contribution (index linked)	Management Cost (index linked)	Total Cost of Offset Contribution	
H	I	$E184 \times 30 = J$	$J \times 1.75 = K$	$H + I + K = L$	M	N	$L + M + N$	
£7,000	£1,564	£5,520	3.61%	£0.00	10%	20%	£8.58	
£0	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	
							Cost per ha of habitat created	£0.00
							Cost per unit	£0.00

Grassland

Biodiversity Impact Score	Primary habitat required in offset	Target habitat distinctiveness		Target habitat condition		Time till target condition		Difficulty of creation		Non-strategic area	Hectares of habitat required
		Distinctiveness	Score	Condition	Score	Time (years)	Score	Difficulty	Score		
0.00	Grassland, Semi-improved neutral grassland	Medium	4	Good	3	25	2.4	Medium	1.5	2	0.00

Provider Agreement Set up costs	Average Meadow creation cost per ha	Meadow maintenance cost per ha for 30 years	30 yrs Maintenance Cost plus inflation at	Estimated cost of offset	Insurance Contribution (index linked)	Management Cost (index linked)	Total Cost of Offset Contribution	
H	I	$E227 \times 30 = J$	$J \times 1.75 = K$	$H + I + K = L$	M	N	$L + M + N$	
£7,000	£1,666	£6,810	3.61%	£0.00	10%	20%	£8.58	
£0	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	
							Cost per ha of habitat created	£0.00
							Cost per unit	£0.00

Wetland

Biodiversity Impact Score	Primary habitat required in offset	Target habitat distinctiveness		Target habitat condition		Time till target condition		Difficulty of creation		Strategic area	Hectares of habitat required
		Distinctiveness	Score	Condition	Score	Time (years)	Score	Difficulty	Score		
0.00	Wetland, Standing Water	High	6	Moderate	2	15	1.4	Medium	1.5	2	0.00

Pond Cluster size 4

Number of Ponds to be created	Number of Pond clusters to be created	Provider Agreement Set-up costs	Average Pond creation cost per pond	Pond maintenance cost per pond for 30 years	30 yrs Maintenance Cost plus inflation at	Estimated cost of offset	Insurance Contribution (index linked)	Management Cost (index linked)	Total Cost of Offset Contribution	
M	I	J	K	$E70 \times 30 = L$	$L \times 1.75 = M$	$I + J + L = N$	O	P	$N + O + P$	
L / 0.017ha (av. Pond size)		£7000 per pond cluster	£1,212	£2,100	3.61%	£0.00	10%	20%	£8.58	
0	0.00	£0	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	
									Cost per pond cluster created	£0.00
									Cost per unit	£0.00

Average H52 pond	m2	ha	Plus grassland (G)
Stoneleigh other	167	0.017	0.034
Burton Green	100	0.01	
Finham Brook ponds	300	0.03	
Finham Brook ponds	250	0.02	
Finham Brook ponds	100	0.01	

Hedgerow

Biodiversity Impact Score	Primary habitat required in offset	Target habitat distinctiveness		Target habitat condition		Time till target condition		Difficulty of creation		Strategic Area	Km of habitat required
		Distinctiveness	Score	Condition	Score	Time (years)	Score	Difficulty	Score		
0.00	species rich hedge with trees	Medium-high	5	Good	3	20	2	Low	1	1	0.00

Provider Agreement Set up costs	Average Hedgerow creation cost per km	Hedgerow maintenance cost per km for 30 years	30 yrs Maintenance Cost plus inflation at	Estimated cost of offset	Insurance Contribution (index linked)	Management Cost (index linked)	Total Cost of Offset Contribution	
H	I	$E220 \times 30 = J$	$J \times 1.75 = K$	$H + I + K = L$	M	N	$L + M + N$	
£7,000	£9,400	£218,100	3.61%	£0.00	10%	20%	£8.58	
£0	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	
							Cost per ha of habitat created	£0.00
							Cost per unit	£0.00

0.00 metres

£9.40 per metre

£7.27 per metre