Warwickshire Coventry and Solihull - Biodiversity Impact Assessment Calculator

v. 18.3 08/08/2014
Amendment from v18.2 only affects green roofs, for other habitats v18.2 still usable.
Please fill in both tables

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

Local Planning Authority:	Cherwell District Council
Site name:	Axis J9 Phase 3
Planning application reference number:	
Assessor:	Aaron Grainger
Date:	05/05/2559

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

T. Note	code	Phase 1 habitat description	Habitat area (ha)	Distinctiveness	Score	Condition	Score	Habitats to be retained with no change within development: Area (ha)	Habitats to be retained with no change within development: Existing value	Habitats to be retained and enhanced within development: Area (ha)	Habitats to be retained and enhanced within development: Existing value	Habitats to be lost within development: Area (ha)	Habitats to be lost within development: Existing value	Comment
		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	
Arable FI	J11	Other: Arable	19.79	Low	2	Poor	1					19.79	**39.58**	Arable fields in centre of site (winter wheat at the time of the 2016 survey)
Field Ma	C31	Other: Tall ruderal	0.57	Medium-Low	3	Poor	1			0.20	0.60	0.37	**1.11**	Arable field margins associated with the hedgerows and small strip on unsown land in the centre of the site
Road/pa	n/a	Built Environment: Buildings/hardstanding	1.00	none	0	Poor	1					1.00	**0.00**	Sections of Middleton Stoney Road and Howes Lane and associated footpath
		Total	21.36				Total	0.00	0.00	0.20	0.60	21.16	40.69	∑
													∑D + ∑F + ∑H	
												Site habitat biodiversity value	41.29	

Before/after impact	Indirect Negative Impacts: Including off site habitats: K	Value of loss from indirect impacts: K x A x B = Li, Lii	Li - Lii
Before			
After			
Before			
After			
Before			
After			
Before			
After			
Before			
After			
	Total 0.00	M	0.00
			Habitat Impact Score (HIS)

HIS = J + M

40.69

T. Note	code	Proposed habitats on site (Onsite mitigation): Phase 1 habitat description	Area (ha)	Target habitats distinctiveness: Distinctiveness	Score	Target habitat condition: Condition	Score	Time till target condition: Time (years)	Score	Difficulty of creation / restoration: Difficulty	Score	Habitat biodiversity value (N x O x P) / Q / R	Comment
		Habitat Creation		N		O		P					
	B22	Grassland: Semi-improved neutral grassland	2.32	Medium	4	Moderate	2	10 years	1.4	Medium	1.5	**8.84**	Wildflower grassland throughout the site shown as 'proposed meadow grass' on the Reserved Matters Phase 1 Planting Plan (RFM-XX-00-DR-L-0001-PL01).
	F22	Wetland: Inundation vegetation	0.57	High	6	Good	3	10 years	1.4	Low	1	**7.33**	Wetland vegetation to be created in the swales
	B22	Grassland: Semi-improved neutral grassland	0.75	Medium	4	Moderate	2	5 years	1.2	Medium	1.5	**1.11**	Combined verge and wildflower turf
	A112	Woodland: Broad-leaved plantation	1.82	Medium	4	Good	3	32+ years	3	Medium	1.5	**4.85**	Dense woodland planting at the southern/western perimiter and woodland understorey planting in the employment/residential sections of the site (as shown on RFM-XX-00-DR-L-0001-PL01 and RF16-375-L-06)
	J14	Other: Introduced shrub	0.18	Low	2	Good	3	5 years	1.2	Low	1	**0.90**	Amenity planting within the employment service/car park area and residential scheme
	n/a	Built Environment: Buildings/hardstanding	12.78	none	0	Poor	1	5 years	1.2	Low	1	**0.00**	Buildings that form the residential and employment plots and associated hard landscaping/roads
	A3	Woodland: Scattered trees	0.32	Medium	4	Good	3	25 years	2.4	Low	1	**1.60**	Scattered mature trees throughout the site
	A21	Woodland: Dense continuous scrub	0.38	Medium-Low	3	Good	3	10 years	1.4	Low	1	**2.44**	Dense scrub planting in the southern and western boundaries associated with the woodland planting
	A112	Woodland: Broad-leaved plantation	0.53	Medium	4	Good	3	32+ years	3	Medium	1.5	**1.41**	Native woodland planting at boundaries of Phase 3 (see drawing 0897-RFM-XX-00-DR-L-0003/P05)
	F22	Wetland: Inundation vegetation	0.22	High	6	Good	3	10 years	1.4	Low	1	**2.83**	Wet grassland to be created in the swales in Phase 3 (see drawing 0897-RFM-XX-00-DR-L-0003/P05)
	B22	Grassland: Semi-improved neutral grassland	0.99	Medium	4	Good	3	5 years	1.2	Medium	1.5	**6.60**	Short/tall meadow grass Emorsgate EM1 general purpose meadow mix (see drawing 0897-RFM-XX-00-DR-L-0003/P05)
	A21	Woodland: Dense continuous scrub	0.22	Medium-Low	3	Good	3	10 years	1.4	Low	1	**1.41**	Native understorey mix (see drawing 0897-RFM-XX-00-DR-L-0003/P05)
	J14	Other: Introduced shrub	0.12	Low	2	Good	3	5 years	1.2	Low	1	**0.60**	Amenity shrub planting (see drawing 0897-RFM-XX-00-DR-L-0003/P05)
	A3	Woodland: Scattered trees	0.46	Medium	4	Good	3	25 years	2.4	Low	1	**2.30**	Scattered tree planting within Phase 3 (see drawing 0897-RFM-XX-00-DR-L-0003/P05)
		Total	21.16										
		Habitat Enhancement						Existing value S (= F)					((N x O x P) - S) / Q / R
Field Ma	C31	Other: Tall ruderal	0.20	Medium-Low	3	Good	3	0.60	10 years	1.4	Low	1	**0.86**	Retained arable field margins
		Total	0.20									Trading down correction value	0.00
												Habitat Mitigation Score (HMS)	43.05
													HBIS = HMS - HIS
												Habitat Biodiversity Impact Score	2.5 Gain
												Percentage of biodiversity impact loss	

KEY			
	No action required		
	Action required		
	Drop-down menu		
	Calculation		
	Automatic lookup		
	Overall Result		Loss to biodiversity
			Gain to biodiversity

Warwickshire Coventry and Solihull - Biodiversity Impact Assessment Calculator - Linear Features

Please fill in both tables

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

Linear Features

Hedges and other linear features can offer a higher biodiversity value per length than a standard area of habitat due to factors such as connectivity and must therefore be compensated for in parallel to the standard metric.

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If additional rows are required, or to provide feedback on the calculator please contact WCC Ecological Services

	Existing linear features on site			**Linear distinctiveness**		**Linear condition**		**Linear Biodiversity Value** – **Linear features to be retained with no change within development**		**Linear features to be retained and enhanced within development**		**Linear features to be lost within development**		
T. Note	code	Phase 1 habitat description	Feature length (km)	Distinctiveness	Score	Condition	Score	Length (km)	Existing value	Length (km)	Existing value	Length (km)	Existing value	**Comment**
		Direct Impacts and retained features			A		B	C	A x B x C = D	E	A x B x E = F	G	A x B x G = H	
Hedgero	J23	Hedges: Hedge with trees	2.40	Medium-High	5	Moderate	2			1.58	**15.80**	**0.82**	**8.20**	Hedgerows H6, H7, H8 and H11 will be fully removed and H9/H10 will be partially removed. H3, H4, H5 and part of H9/H10 will be retained and enhanced
Ditches	J26	Ditches: Dry ditch	1.32	Low	2	Poor	1	0.70	**1.40**			**0.62**	**1.24**	Loss of ditches D4, D5 and D6 will be fully lost as a result of construction . Ditches D2 and D3 will be retained
		Total	3.72			Total		0.70	1.40	1.58	15.80	1.44	9.44	J
													∑D + ∑F + ∑H	
											Site Linear Biodiversity Value		26.64	

Before/after impact	**Indirect Negative Impacts**	K					Value of loss from indirect impacts K x A x B = Li, Lii	Li - Lii
Before								
After								
Before								
After								
Before								
After								
Before								
After								
Before								
After								
	Total	0.00					M	0.00

	HIS = J + M
Linear Impact Score (LIS)	**9.44**

CAUTION - Destruction of features of medium or high distinctiveness, e.g. hedgerows and streams, may be against local policy. Has the mitigation hierarchy been followed, can impact to these habitats be avoided?
Any unavoidable loss of valuable habitats must be replaced like-for-like. E.G. Loss of hedgerows must be replaced with similar or better hedgerows. All newly planted hedges should be native species-rich hedgerows.

	Proposed linear features on site (Onsite mitigation)			**Target linear distinctiveness**		**Target linear condition**			**Time till target condition**		**Difficulty of creation / restoration**		***Linear biodiversity value***	
T. Note	code	Phase 1 habitat description	Length (km)	Distinctiveness	Score	Condition	Score		Time (years)	Score	Difficulty	Score		***Comment***
		Linear Creation	N		O		P			Q		R	(N x O x P) / Q / R	
	J211	Hedges: Native species rich intact hedge	0.61	High	6	Moderate	2		10 years	1.4	Low	1	**5.21**	New hedgerow planting as shown on RF16_375-L-06 and RFM-XX-00-DR-L-0001-PL01 and assumed planting to come forward as part of Phase 2
		Total	**0.61**											
		Linear Enhancement						Existing value S (= F)					((N x O x P) - S) / Q / R	
	J23	Hedges: Hedge with trees	1.58	Medium-High	5	Good	3	**15.80**	10 years	1.4	Low	1	**5.64**	Retained hedgerows to be enhanced
		Total	**1.52**	ERROR - Total length of features enhancement must equal total length of features to be enhanced above										

Trading down correction value	0.00	
Linear Mitigation Score (LMS)	**10.85**	
	LBIS = LMS - LIS	
Linear Biodiversity Impact Score	1.41	Gain
Percentage of linear impact loss		

KEY		
	No action required	
	Action required	
	Drop-down menu	
	Calculation	
	Automatic lookup	
	Overall Result	Loss to biodiversity
		Gain to biodiversity

Biodiversity Impact Assessment Summary

Site name:	Axis J9 Phase 3
Planning reference number:	

Habitats	Area (ha)	Habitat Biodiversity Value
Total existing area onsite	21.36	41.29
Habitats negatively impacted by development Habitat Impact Score	21.16	40.69
On site habitat mitigation Habitat Mitigation Score	21.36	43.00
Habitat Biodiversity Impact Score If -ve further compensation required		**2.31**
Percentage of biodiversity impact		

Linear features	Length (km)	Linear Biodiversity Value
Total existing length onsite	3.72	26.64
Linear features negatively impacted by development Linear Impact Score	1.44	9.44
On site linear mitigation Linear Mitigation Score	2.13	10.85
Linear Biodiversity Impact Score If -ve further compensation required		**1.41**
Percentage of linear biodiversity impact		

CAUTION - Destruction of habitats of high distinctiveness, e.g. lowland meadow, ancient woodland or species-rich hedgerows, 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-

For any questions with regard to biodiversity impact and this development please contact Warwickshire County Council Ecological Services:

email: planningecology@warwickshire.gov.uk
tel: 01926 418060

If there is an anticipated loss to biodiversity and no further ecological enhancements can be incorporated within the development it may be possible to compensate for this loss through a biodiversity offsetting scheme.

Please contact The Environment Bank for discussions on potential receptor sites in your area:

email: lmartland@environmentbank.com
tel: 01926 412772

Warwickshire County Council

the Environment Bank

Phase 1 Habitat Descriptions	Phase 1 Habitat Codes	Distinctiveness		Difficulty of creation		Difficulty of restoration	
Built Environment: Buildings/hardstanding	n/a	none	0	Low	1	Low	1
Built Environment: Gardens (lawn and planting)	n/a	Low	1	Low	1	Low	1
Woodland: Broad-leaved semi-natural woodland	A111	High	6	n/a	-	Low	1
Woodland: Broad-leaved plantation	A112	Medium	4	Medium	1.5	Low	1
Woodland: Coniferous semi-natural woodland	A121	Medium	4	n/a	-	Low	1
Woodland: Coniferous plantation	A122	Low	2	Medium	1.5	Low	1
Woodland: Mixed semi-natural woodland	A131	Medium	4	n/a	-	Low	1
Woodland: Mixed plantation	A132	Low	2	Medium	1.5	Low	1
Woodland: Wet woodland	n/a	High	6	Medium	1.5	Medium	1.5
Woodland: Dense continuous scrub	A21	Medium-Low	3	Low	1	Low	1
Woodland: Scattered scrub	A22	Medium	4	Low	1	Low	1
Woodland: Scattered trees	A3	Medium	4	Low	1	Low	1
Woodland: Broad-leaved parkland	A31	High	6	Medium	1.5	Low	1
Woodland: Coniferous parkland	A32	Medium	4	Medium	1.5	Low	1
Woodland: Recently felled woodland	A4	Low	2	n/a	-	n/a	-
Woodland: Orchard	A5	High	6	Low	1	Low	1
Grassland: Unimproved acidic grassland	B11	High	6	Medium	1.5	Low	1
Grassland: Semi-improved acidic grassland	B12	Medium-High	5	Medium	1.5	Low	1
Grassland: Unimproved neutral grassland	B21	High	6	Medium	1.5	Low	1
Grassland: Semi-improved neutral grassland	B22	Medium	4	Medium	1.5	Low	1
Grassland: Unimproved calcareous grassland	B31	High	6	Medium	1.5	Low	1
Grassland: Semi-improved calcareous grassland	B32	Medium-High	5	Medium	1.5	Low	1
Grassland: Poor semi-improved grassland	B6	Medium-Low	3	Medium	1.5	Low	1
Grassland: Improved grassland	B4	Low	2	n/a	-	Low	1
Grassland: Marsh / Marshy grassland	B5	High	6	High	3	Medium	1.5
Grassland: Dry heath / Acidic grassland mosaic	D5	High	6	Medium	1.5	Medium	1.5
Grassland: Set-aside / Arable field margins	J113	High	6	Low	1	Low	1
Grassland: Amenity grassland	J12	Low	2	Low	1	Low	1
Wetland: Standing water	G1	High	6	Medium	1.5	Medium	1.5
Wetland: Running water	G2	High	6	Medium	1.5	Medium	1.5
Wetland: Reedbed	n/a	High	6	low	1	low	1
Wetland: Sphagnum Bog	E11	High	6	Very High	10	High	3
Wetland: Acid/neutral flush	E21	High	6	High	3	Medium	1.5
Wetland: Basin Mire	E32	High	6	High	3	Medium	1.5
Wetland: Swamp	F1	High	6	High	3	Medium	1.5
Wetland: Inundation vegetation	F22	High	6	Low	1	Low	1
Other: Arable	J11	Low	2	n/a	-	n/a	-
Other: Continuous bracken	C11	Low	2	Low	1	Low	1
Other: Tall ruderal	C31	Medium-Low	3	Low	1	Low	1
Other: Non-ruderal	C32	Medium	4	Low	1	Low	1
Other: Ephemeral/short perennial	J13	Low	2	Low	1	Low	1
Other: Allotments	J112	Low	2	Low	1	Low	1
Other: Quarry	I21	Low	2	Low	1	Low	1
Other: Spoil	I22	Low	2	Low	1	Low	1
Other: Refuse tip	I24	Low	2	Low	1	Low	1
Other: Introduced shrub	J14	Low	2	Low	1	Low	1
Other: Bare ground	J4	Low	2	Low	1	Low	1
Other: Green roof	n/a	Low	2	Low	1	Low	1
Linear features							
Hedges: Intact hedge	J21	Medium	4	Low	1	Low	1
Hedges: Native species rich intact hedge	J211	High	6	Low	1	Low	1
Hedges: Hedge with trees	J23	Medium-High	5	Low	1	Low	1
Hedges: Native species rich hedge with trees	J231	High	6	Low	1	Low	1
Hedges: Defunct hedge	J22	Low	2	n/a	-	n/a	-
Hedges: Linear scrub	A21	Medium	4	Low	1	Low	1
Hedges: Linear trees	A3	Medium	4	Low	1	Low	1
Hedges: Introduced shrub	J14	Low	2	Low	1	Low	1
Ditches: Standing water	G1	High	6	Medium	2	Low	1
Ditches: Running water	G2	High	6	Medium	2	Low	1
Ditches: Dry ditch	J26	Low	2	Low	1	Low	1
Boundaries: Fence	J24	None	0	Low	1	Low	1
Boundaries: Wall	J25	Low	2	Low	1	Low	1
Boundaries: Dry stone wall	J25	Medium	4	Low	1	Low	1
Other: Inland cliff	I1	Medium	4	Low	1	Low	1
Other: Earth bank	J28	Low	2	Low	1	Low	1
Other: Green wall	n/a	Low	2	Low	1	Low	1

Distinctiveness	
High	6
Medium-High	5
Medium	4
Medium-Low	3
Low	2
none	0

Condition	
Good	3
Moderate	2
Poor	1

Time	
5 years	1.2
10 years	1.4
15 years	1.7
20 years	2
25 years	2.4
30 years	2.8
32+ years	3

Difficulty	
Very high	10
High	3
Medium	1.5
Low	1
n/a	0

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	Low distinctiveness habitat loss biodiversity value
Direct impacts							
Other: Arable	19.79	Low	0.00	0.00	0.00	0.00	39.58
Other: Tall ruderal	0.37	Medium-Low	0.00	0.00	0.00	1.11	0.00
Built Environment: Buildings/hardstanding	1.00	none	0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	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
TOTAL	21.16		0.00	0.00	0.00	1.11	39.58

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	Low distinctiveness proposed biodiversity value
Grassland: Semi-improved neutral grassland	2.32	Medium	0.00	0.00	8.84	0.00	0.00
Wetland: Inundation vegetation	0.57	High	7.33	0.00	0.00	0.00	0.00
Grassland: Semi-improved neutral grassland	0.23	Medium	0.00	0.00	1.02	0.00	0.00
Woodland: Broad-leaved plantation	1.82	Medium	0.00	0.00	4.85	0.00	0.00
Other: Introduced shrub	0.18	Low	0.00	0.00	0.00	0.00	0.90
Built Environment: Buildings/hardstanding	12.80	none	0.00	0.00	0.00	0.00	0.00
Woodland: Scattered trees	0.32	Medium	0.00	0.00	1.60	0.00	0.00
Woodland: Dense continuous scrub	0.38	Medium-Low	0.00	0.00	0.00	2.44	0.00
Woodland: Broad-leaved plantation	0.53	Medium	0.00	0.00	1.41	0.00	0.00
Wetland: Inundation vegetation	0.22	High	2.83	0.00	0.00	0.00	0.00
Grassland: Semi-improved neutral grassland	0.99	Medium	0.00	0.00	6.60	0.00	0.00
Woodland: Dense continuous scrub	0.22	Medium-Low	0.00	0.00	0.00	1.41	0.00
Other: Introduced shrub	0.12	Low	0.00	0.00	0.00	0.00	0.60
Woodland: Scattered trees	0.46	Medium	0.00	0.00	2.30	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
Proposed habitat enhancement	Area	Distinctiveness	High	Medium-High	Medium	Medium-Low	Low
Other: Tall ruderal	0.20	Medium-Low	0.00	0.00	0.00	0.86	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
-	-		0.00	0.00	0.00	0.00	0.00
TOTAL	21.36		10.16	0.00	26.63	4.71	1.50

Trading Down Correction

	High	Medium-High	Medium	Medium-Low	Low	
Value of existing habitat loss per distinctiveness	0.00	0.00	0.00	1.11	39.58	
Value of created habitats per distinctiveness	10.16	0.00	26.63	4.71	1.50	
Would this result in trading down habitats?	Never	No	No	No	No	
If no, value each distinctiveness still requiring compensation	0	0	0	0	38.08	
Surplus gain to be carried over to compensate loss of lower habitats (rolls over)	10.16	10.16	36.78	40.39	n/a	Total
Trading down correction value	n/a	0	0	0	0	**0.00**

This calculator assess whether there is any down trading in habitats value. E.g. loss of high distinctiveness habitat cannot be compensated for by surpluss medium mitigation. 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 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							
Hedges: Hedge with trees	0.82	Medium-High	0.00	8.2	0.00	0.00	0.00
Ditches: Dry ditch	0.62	Low	0.00	0.00	0.00	0.00	1.24
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	0.00	0.00
-			0.00	0.00	0.00	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
TOTAL	1.44		0.00	8.20	0.00	0.00	1.24

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
Hedges: Native species rich intact hedge	0.61	High	5.21	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	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
Hedges: Hedge with trees	1.58	Medium-High	0.00	5.64	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
-	0.00		0.00	0.00	0.00	0.00	0.00
TOTAL	2.19		5.21	5.64	0.00	0.00	0.00

Linear trading down correction

	High	Medium-High	Medium	Medium-Low	Low	
Value of existing habitat loss per distinctiveness	0.00	8.20	0.00	0.00	1.24	
Value of created habitats per distinctiveness	5.21	5.64	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	1.24	
Surplus gain to be carried over to compensate loss of lower habitats (rolls over)	5.21	2.65	2.65	2.65	n/a	Total
Trading down correction value	n/a	0	0	0	0	**0.00**

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.