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:	
Site name:	
Planning application reference number:	
Assessor:	
Date:	

Please fill in both tables
Please do not edit the formulae or structure
To condense the form for display hide vacant rows, do them
If additional rows are required, or to provide feedback calculator please contact WCC Ecological Services 0:

	Existing habitats on site Please enter all habitats within the site boundary			**Habitat distinctiveness**		**Habitat condition**		**Habitat Biodiversity Value**					
								Habitats to be retained with no change within development		**Habitats to be retained and enhanced within development**		**Habitats to be lost within development**	
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
	B21	Grassland: Unimproved neutral grassland	35.03	High	6	Good	3	34.32	617.76			0.71	**12.78**
	B21	Grassland: Unimproved neutral grassland	0.26	High	6	Moderate	2	0.21	2.52			0.05	**0.60**
	B22	Grassland: Semi-improved neutral grassland	4.69	Medium	4	Moderate	2	4.64	37.12			0.05	**0.40**
						Poor	1						
	B31	Grassland: Unimproved calcareous grassland	11.04	High	6	Good	3	11.04	198.72				
	B31	Grassland: Unimproved calcareous grassland	39.16	High	6	Moderate	2	28.19	338.28			10.97	**131.64**
	B32	Grassland: Semi-improved calcareous grassland	0.74	Medium-High	5	Poor	1	0.53	2.65			0.21	**1.05**
	B6	Grassland: Poor semi-improved grassland	147.51	Medium-Low	3	Poor	1	99.16	297.48	31.21	93.63	17.14	**51.42**
	B4	Grassland: Improved grassland		Low	2	Poor	1						
	J113	Grassland: Set-aside / Arable field margins	0.95	High	6	Good	3	0.54	9.72			0.41	**7.38**
	J11	Other: Arable	17.47	Low	2	Poor	1	2.02	4.04			15.45	**30.90**
	A112	Woodland: Broad-leaved plantation	1.07	Medium	4	Poor	1	0.76	3.04			0.31	**1.24**
	A122	Woodland: Coniferous plantation	0.49	Low	2	Poor	1	0.25	0.50			0.24	**0.48**
	A132	Woodland: Mixed plantation	3.14	Low	2	Poor	1	2.59	5.18			0.55	**1.10**
	A21	Woodland: Dense continuous scrub	1.61	Medium-Low	3	Moderate	2	0.27	1.62			1.34	**8.04**
	J13	Other: Ephemeral/short perennial	3.84	Low	2	Moderate	2	1.74	6.96			2.10	**8.40**
	n/a	Built Environment: Buildings/hardstanding	161.33	none	0	Poor	1	161.33	0.00				
	J12	Grassland: Amenity grassland	18.63	Low	2	Poor	1	6.57	13.14			12.06	**24.12**
	J11	Other: Arable	3.47	Low	2	Poor	1					3.47	**6.94**
	A21	Woodland: Dense continuous scrub	0.03	Medium-Low	3	Poor	1					0.03	**0.09**
	G1	Wetland: Standing water	0.14	High	6	Poor	1	0.12	0.72			0.02	**0.12**
	C31	Other: Tall ruderal	0.39	Medium-Low	3	Moderate	2	0.00				0.39	**2.34**
	J11	Other: Arable	27.35	Low	2	Poor	1					27.35	**54.70**
		Total	478.34				Total	354.28	1539.45	31.21	93.63	92.85	343.74
													• D + • F + • H
											Site habitat biodiversity value		1976.82

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						0.00	M	HIS = J + M

Habitat Impact Score (HIS)	343.74

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*	
		Habitat Creation	N		O		P			Q		R	(N x O x P) / Q / R
	A112	Woodland: Broad-leaved plantation	6.72	Medium	4	Moderate	2		10 years	1.4	Medium	1.5	**25.60**
	B31	Grassland: Unimproved calcareous grassland	3.47	High	6	Good	3		10 years	1.4	Medium	1.5	**29.74**
	n/a	Built Environment: Buildings/hardstanding	39.24	none	0	Moderate	2		10 years	1.4	Low	1	**0.00**
	n/a	Built Environment: Gardens (lawn and planting)	10.00	Low	2	Poor	1		10 years	1.4	Low	1	**14.29**
	B31	Grassland: Unimproved calcareous grassland	27.35	High	6	Moderate	2		10 years	1.4	Medium	1.5	**156.29**
	A5	Woodland: Orchard	0.99	High	6	Moderate	2		10 years	1.4	Low	1	**8.49**
	J12	Grassland: Amenity grassland	4.76	Low	2	Poor	1		5 years	1.2	Low	1	**7.93**
	G1	Wetland: Standing water	0.04	High	6	Moderate	2		5 years	1.2	Medium	1.5	**0.27**
	J112	Other: Allotments	0.28	Low	2	Poor	1		3 Years	1.1	Low	1	**0.51**
		Total	**92.85**										
		Habitat Enhancement						Existing value S (= F)					((NxOxP)-S)/Q/R
	B22	Grassland: Semi-improved neutral grassland	16.50	Medium	4	Moderate	2	**49.50**	10 years	1.4	Low	1	**58.93**
	B22	Grassland: Semi-improved neutral grassland	6.11	Medium	4	Moderate	2	**18.33**	10 years	1.4	Low	1	**21.82**
	B22	Grassland: Semi-improved neutral grassland	8.60	Medium	4	Moderate	2	**25.80**	10 years	1.4	Low	1	**30.71**
		Total	**31.21**										

	Trading down correction value	0.00
	Habitat Mitigation Score (HMS)	**354.58**
		HBIS = HMS - HIS
	Habitat Biodiversity Impact Score	**10.84**
	Percentage of biodiversity impact loss	

	Loss	Gain	Impact
Woodland Habitat	10.95	34.09	**23.14**
Grassland Habitat	229.39	305.42	**76.03**
Wetland Habitat	0.12	0.27	**0.15**
Other Habitat (including Built Environment)	103.28	14.80	**-88.48**
Total	343.74	354.58	**10.84**
		Trading down	**0.00**
			10.84

ɔ not delete
on the 1926 418060

Comment
J

Comment

Gain