Land off Clitheroe Road, Whalley BB7 9AD

ASSESSMENT OF BIODIVERSITY NET GAIN

July 2025

ERAP (Consultant Ecologists) Ltd Reference: 2024-355

ERAP (Consultant Ecologists) Ltd Building N2 Chorley Business and Technology Centre East Terrace Euxton Lane Euxton Chorley PR7 6TE

Tel: 01772 750502

mail@erap.co.uk www.erap.co.uk





CONTE	NTS
-------	-----

1.0	Introduction	3
1.1	Background and Rationale	3
1.2	Site Description	
1.3	Scope of Study	3
2.0	Method of Survey	4
2.1	Habitat Assessment and Mapping	4
2.2	Survey and Reporting Limitations	5
2.3	Evaluation Methods and Rules Applied	5
3.0	Survey Results	6
3.1	Site Description	
3.2	Assessment of Baseline Habitats	6
4.0	Post Intervention Habitats	8
4.1	Consideration of Mitigation Hierarchy and Target Condition Assessments	
4.2	Post Intervention Habitats	
5.0	Headline Results, Evaluation and Conclusion	
	•	
6.0	References	12
7.0	Appendix: Condition Assessments and Figures	13
7.1	Condition Assessments of Baseline Habitats	13
7.2	Condition Assessments of Retained, Enhanced and Created Habitats	
7.3	Figures	29
List of	Tables	
Table 3	3.1: Summary of Baseline Area Based Habitats within the Site	6
Table 3	3.2: Summary of Individual Trees within the Site	7
	I.1: Summary of Area-based Habitats to be Enhanced and Created at the Site	
	I.2: Summary of Individual Trees to be Retained and Created at the Site	
	1.3: Summary of Hedgerow Habitats to be Created at the Site	
	5.1: Results of Statutory Biodiversity Metric Calculation Tool	
	7.1: Condition Assessments for Habitat 2: Blackthorn Scrub and Habitat 7: Mixed Scrub	
rable /	7.2: Condition Assessments for Habitat 4: Modified Grassland A, Habitat 5: Modified Grassland B and	
Table 7	Habitat 6: Modified Grassland C	
	7.4: Condition Assessments for Habitat 9: Woodland	
	7.5: Condition Assessments for Habitats 10 to 16: Individual Trees	
	7.6: Condition Assessments for <i>Enhanced</i> Habitat 2: Blackthorn Scrub and Habitat C: Native Mixed Scrub	
Table 1	7.7: Condition Assessments for <i>Enhanced</i> Habitat 6: Modified Grassland C and Created Habitat A	
T. I.I. 5	Wildflower Grassland Emorsgate EW1 and Habitat B: Wildflower Grassland Emorsgate EH1	
	7.8: Condition Assessments for <i>Enhanced</i> Habitat 9: Woodland	
	7.10: Condition Assessments for Habitat J: New Trees	
iable /	.10. Condition Assessifients for Habitat K. New Hedgelows	∠/
List of	Figures	
Figure	1: Aerial Image of the Site and its Surroundings	29



Figure 2: UKHab Plan: Baseline Habitats	30
Figure 3: UKHab Plan: Post-intervention Habitats	

Document Control

Survey Type:	Surveyors	Survey Date(s)		
UK Habitat Classification	Victoria Burrows B.Sc. (Hons) M.Sc. CEnv MCIEEM	16 th January 2025		
Survey (including Condition	Principal Ecologist	18 th June 2025		
Assessments of habitats)				
Reporting	Personnel	Date		
Author	Victoria Burrows B.Sc. (Hons) M.Sc. CEnv MCIEEM Principal Ecologist	7 th July 2025		
Signature(s)	Okumong,			
Checked by	Amy Sharples B.Sc. (Hons) M.Sc. ACIEEM	10 th July 2025		
Revised and issued by	Victoria Burrows	10 th July 2025		
Updated	Victoria Burrows	22 nd July 2025		
	To accommodate the updated site layout and			
	Landscape Proposals Sheets 1 to 3. Drawing			
	7585.01 to 01 Rev C (TBA Landscape Architecture,			
	2025)			
Report issued to	eport issued to Pringle Homes			
Version Number	1			
Metric Version	Statutory Metric version 1.0.3, date released 23 rd July 2024			



1.0 INTRODUCTION

1.1 Background and Rationale

- 1.1.1 ERAP (Consultant Ecologists) Ltd was commissioned by Pringle Homes to carry out an assessment of Biodiversity Net Gain (BNG) at land off Clitheroe Road, Whalley (hereafter the 'site'). The Ordnance Survey (OS) grid reference at the centre of the site is SD 73615 37105.
- 1.1.2 The assessment was requested in connection with a planning application proposing the development of the site to residential housing.
- 1.1.3 This BNG assessment has been prepared to provide an assessment of the biodiversity value of the baseline of the site, an assessment of the value of post-development habitats based on the site proposals and landscape strategy, and provides guidance in relation to the requirements to attain a net gain in accordance with *Biodiversity Net Gain: Good Practice Principles for Development* (CIEEM, 2016).
- 1.1.4 This report also advises on how compliance with Chapter 15, paragraph 193(d) of the *National Planning Policy Framework* (Ministry of Housing, Communities & Local Government, 2024)¹ can be achieved, which states 'opportunities to improve biodiversity in and around developments should be integrated as part of their design, especially where this can secure measurable net gains for biodiversity or enhance public access to nature where this is appropriate'.

1.2 Site Description

- 1.2.1 An aerial image of the site is appended at **Figure 1**.
- 1.2.2 The total site area is **3.4203 hectares**².
- 1.2.3 The habitats present within the site are described and assessed in 2024-355 Land off Clitheroe Road, Whalley BB7 9AD, Ecological Survey and Assessment (ERAP (Consultant Ecologists) Ltd, 2025), hereafter referred to as the 'ecology report'.
- 1.2.4 A summary of the habitats present within the site is presented at **Section 3.1** of this report.

1.3 Scope of Study

- 1.3.1 This report has been prepared to accompany a completed assessment of BNG using *The Statutory Biodiversity Metric Calculation Tool* (Natural England, 2024). The completed Microsoft Excel spreadsheet assessment is presented as a separate document, named *'ERAP 2024-355b Statutory Biodiversity Metric Clitheroe Road, Whalley v4 22.07.25'*, hereafter referred to as the 'BNG Metric'.
- 1.3.2 It is intended that this report provides a transparent assessment to demonstrate the calculation of net gain, based on the reasonable parameters assumed for the proposals (refer to **Section 2.3**). This approach has been applied on a number of other sites ERAP (Consultant Ecologists) Ltd has assisted with and has

¹ Hereafter the NPPF

² As measured by ERAP (Consultant Ecologists) Ltd; detail on the methods used to measure the area of the site are presented at **Section 2.0**. It has been considered suitable in this instance to measure the area habitats in hectares to four decimal places (i.e. to a m² level of accuracy).



been accepted by the relevant Local Planning Authorities (LPA) and their ecological advisors to enable a planning application to progress.

2.0 METHOD OF SURVEY

2.1 Habitat Assessment and Mapping

Baseline Habitats

- 2.1.1 A Phase 1 Habitat Survey including an assessment in accordance with the UKHab and condition assessments of the habitats present was carried out by Victoria Burrows B.Sc. (Hons) MCIEEM on 16th January 2025. The weather was dry, sunny and calm (Beaufort scale 0) with an air temperature of 1°C.
- 2.1.2 An updated walkover survey and update of the condition assessments was carried out on 18th June 2025. The weather conditions were dry and sunny with a light air (Beaufort scale 1) and an air temperature of 19°C.
- 2.1.3 On site habitat mapping was assisted via use of GPS technology and QField on-site mapping software, using a topographical plan (JLP Surveying, 2024) and ESRI World Imagery as base plans. The topographical plan was provided to ERAP (Consultant Ecologists) Ltd without spatial referencing; the plan has been inputted into QGIS and an affine transformation completed to ensure it is accurate in accordance with ESRI World Imagery.
- 2.1.4 Each of the habitats within the site has been assessed in accordance with the UKHab to determine each habitat type present. This has allowed a reliable classification of habitats in accordance with those used by the BNG Metric.
- 2.1.5 The UKHab has been designed to function at two scales: fine scale (25m² or 5 metres length) and large scale (400m² or 20m² length). It has been considered for the purposes of this survey (where the UKHab has been used to inform the BNG calculation of a relatively small area) that a finer scale of 5m² is appropriate for the classification of habitats.
- 2.1.6 A plan showing the baseline habitats present within the site in accordance with UKHab symbology is appended at **Figure 2**.
- 2.1.7 Condition Assessments for each of the habitats present within the site have been completed in accordance with *The Statutory Biodiversity Metric Technical Annex 1: Condition Assessment Sheets and Methodology* (Natural England, November 2023) and are appended at **Section 7.1**.
- 2.1.8 The tree survey report *Survey Details for Trees on Land at Clitheroe Road, Whalley* (lain Tavendale, 2025) and the associated plans have been used to ensure consistency with tree numbers and to determine the size classes.

Post-intervention Habitats

2.1.9 The post-intervention habitats have been calculated using the *Landscape Proposals* (TBA Landscape Architecture, 2025). The plan was provided to ERAP (Consultant Ecologists) Ltd without spatial referencing; the plan has been inputted into QGIS and an affine transformation completed to ensure it is accurate in accordance with *ESRI World Imagery*.



2.1.10 A plan showing the proposed habitats in accordance with UKHab symbology is appended at **Figure 3** and target condition assessments for each of the proposed habitats are appended at **Section 7.2**.

2.2 Survey and Reporting Limitations

- 2.2.1 All measurements have been either estimated whilst on site or measured using QGIS. Tree sizes make reference to the tree report (lain Tavendale, 2025).
- 2.2.2 No survey limitations on the intended scope of survey were experienced.

2.3 Evaluation Methods and Rules Applied

Habitats and Assessment

- 2.3.1 Habitats have been assessed to determine whether they meet those described in *UK Biodiversity Action Plan: Priority Habitat Descriptions* (Maddock, A (ed), 2008); these lists are used to help draw up the statutory lists of Priority Habitats, as required under Section 41 of the *Natural Environment and Rural Communities* (NERC) *Act 2006*. Where suitable, the ecological value of the habitats present have been assessed using the terms outlined in *Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater, Coastal and Marine* (CIEEM, 2018).
- 2.3.2 QGIS has been used to calculate the total area / length of each baseline habitat present within the site and the area / length of the proposed habitats at the site.
- 2.3.3 Each habitat and individual trees have been assessed to determine whether they are 'irreplaceable habitat', defined in NPPF as 'Habitats which would be technically very difficult (or take a very significant time) to restore, recreate or replace once destroyed, taking into account their age, uniqueness, species diversity or rarity. They include ancient woodland, ancient and veteran trees, blanket bog, limestone pavement, sand dunes, salt marsh and lowland fen'. The further detail presented in The Biodiversity Gain Requirements (Irreplaceable Habitat) Regulations 2024 (GOV.UK, 2024) has also been referred to.

Relevant Guidance

2.3.4 Government advice on wildlife, as set out in the NPPF and associated government circulars has been taken into consideration.

Strategic Significance

2.3.5 The site does not lie within a Local Nature Recovery Strategy area, nor does the site have any statutory or non-statutory designation for nature conservation. For these reasons a strategic significance of 'Area / compensation not in local strategy / no local strategy' has been applied at the BNG Metric for the habitat units and trees baseline and post-intervention stages.

Assumptions

2.3.6 Reasonable assumptions have been made in relation to the condition assessments for the proposed habitats at the site; the target condition assessment for each habitat is appended at **Section 7.2**. Long-term management of the proposed habitats is required to secure the proposed condition.



3.0 SURVEY RESULTS

3.1 Site Description

- 3.1.1 Refer to **Figure 2**. The site lies to the east of Clitheroe Road, Whalley and comprises a field of agriculturally improved modified grassland. A belt of woodland and dense Blackthorn scrub lies along the eastern site margin and part of the northern area of the site. Other habitats include areas of Bramble scrub, tall forbs and scattered individual trees.
- 3.1.2 No Priority Habitat or irreplaceable habitat is present at the site.

3.2 Assessment of Baseline Habitats

3.2.1 **Tables 3.1** and **3.2** provide a summary of the habitats present, their condition assessment result and their area within the site. Condition assessments for each habitat are appended at **Section 7.1**.

Table 3.1: Summary of Baseline Area Based Habitats within the Site

Habitat Reference	UK Habitat Classification Type	BNG Habitat Equivalent	Habitat Distinctiveness	Condition Assessment Result	Area (ha)
<i>Habitat 1</i> Bare ground	u1c artificial unvegetated; unsealed surface	Urban – artificial unvegetated; unsealed surface	V.low	N/A - Other	0.0070
Habitat 2 Blackthorn scrub	h3a Blackthorn scrub	Heathland and scrub – Blackthorn scrub	Medium	Poor	0.2724
Habitat 3 Bramble scrub	h3d Bramble scrub	Heathland and scrub – Bramble scrub	Medium	Condition Assessment N/A	0.0391
Habitat 4 Modified grassland A	g4 modified grassland	Grassland – modified grassland	Low	Poor	0.1196
Habitat 5 Modified grassland B	g4 modified grassland	Grassland – modified grassland	Low	Poor	0.5542
Habitat 6 Modified grassland C	g4 modified grassland	Grassland – modified grassland	Low	Moderate	2.0476
Habitat 7 Mixed scrub	h3h mixed scrub	Heathland and scrub – mixed scrub	Medium	Poor	0.0031
Habitat 8 Tall forbs	g grassland with the secondary code 16 tall forbs	Sparsely vegetated land – tall forbs	Low	Poor	0.1475
Habitat 9 Woodland	w1g other broadleaved woodland	Woodland and forest – Other woodland; broadleaved	Medium	Poor	0.2298
				Total:	3.4203



Table 3.2: Summary of Individual Trees within the Site

Habitat Reference	UK Habitat Classification Type	BNG Habitat Equivalent	Habitat Distinctiveness	Condition Assessment Result	Area ³ (ha)
Habitat 10 2No. very large: good (T18 & T28)	secondary code 32 scattered trees within an area g4 modified grassland	Individual trees – urban tree	Medium	Good	0.1529
Habitat 11 1No. very large: moderate (T31)	secondary code 32 scattered trees within an area g4 modified grassland	Individual trees – urban tree	Medium	Moderate	0.0765
Habitat 12 3No. large: good (T32, T47 & T48)	secondary code 32 scattered trees within an area g4 modified grassland	Individual trees – urban tree	Medium	Good	0.1099
Habitat 13 8No. large: moderate (T23, T54, T30, T33, T46, T57, T49 & T51)	secondary code 32 scattered trees within an area g4 modified grassland	Individual trees – urban tree	Medium	Moderate	0.2931
Habitat 14 1No. medium: good (T55)	secondary code 32 scattered trees within an area g4 modified grassland	Individual trees – urban tree	Medium	Good	0.0163
Habitat 15 12No. medium: moderate (T19, T20, T21, T22, T24, T25, T26, T27, T29, T52, T53 & T50)	secondary code 32 scattered trees within an area g4 modified grassland	Individual trees – urban tree	Medium	Moderate	0.1954
Habitat 16 5No. small: moderate (T56, T58, T60, T61 & T62)	secondary code 32 scattered trees within an area g4 modified grassland	Individual trees – urban tree	Medium	Moderate	0.0204
				Total:	0.8645

3.2.2 The baseline BNG score for the site is provided at **Section 5.0**, below.

³ Due to the way individual trees are calculated by the metric they do not contribute to the total habitat area calculation, but are additional to it.



4.0 POST INTERVENTION HABITATS

4.1 Consideration of Mitigation Hierarchy and Target Condition Assessments

- 4.1.1 The site layout has been designed in accordance with ecological and arboricultural guidance, with areas of trees, woodland and scrub (i.e. habitats of 'medium' distinctiveness) retained where feasible.
- 4.1.2 Trees identified for removal are typically scheduled for removal owing to their poor quality / longevity and their removal is unavoidable as part of the proposals.
- 4.1.3 In addition, the *Landscape Proposals* (TBA Landscape Architecture, 2025) have been prepared in accordance with ecological guidance and earlier iterations of the assessment of BNG. The biodiversity value of the retained habitats has been maximised by identification of where appropriate management can be carried out to enhance the condition assessment and / or create a habitat of greater distinctiveness. This is relevant to the following habitats:
 - a. Habitat 2: Blackthorn scrub to be enhanced from 'poor' to 'moderate' condition by selective clearance as part of the site habitat management and supplementary planting with other native shrubs;
 - b. Habitat 6: Enhancement of modified grassland to other neutral grassland by removal of agricultural management and over seeding with wildflowers; and
 - c. Habitat 9: Enhancement of existing and retained woodland by appropriate management to secure 'moderate' condition. This would comprise supplementary planting to increase the number of native woody species (criterion D), veteranising selected trees (criterion K) and / or increasing the dead wood (criterion L) and removing the agricultural management and seeding with native plants which will reduce the evidence of nutrient enrichment or damaged ground evident (criterion M).
- 4.1.4 Similarly, the biodiversity value of the new / proposed habitats has been maximised by the specification of wildflower grasslands appropriate to the soil conditions, the planting of native mixed scrub and the planting of individual native trees. Realistic target condition assessments for the proposed habitats are detailed in **Section 7.2**.

4.2 Post Intervention Habitats

4.2.1 **Tables 4.1** to **4.3** provide a summary of the post-intervention habitats in accordance with the ecological guidance and Landscape Proposals.



Table 4.1: Summary of Area-based Habitats to be Enhanced and Created at the Site

Habitat Type	BNG Equivalent Habitat	Habitat Distinctiveness	Target Condition	Area (ha)	Sub-totals (ha)
Enhanced Habitats	- I a a i a a i a a a a a a a a a a a a a	Distilletivelless	Contaition		()
Habitat 2 Blackthorn scrub to mixed scrub	Heathland and shrub – mixed scrub	Medium	Poor to Moderate	0.1522	
Habitat 6 Modified grassland to other neutral grassland	Grassland – other neutral grassland	Medium	Moderate modified grassland to moderate other neutral grassland	0.0736	
Habitat 9 Woodland	Woodland and forest – other woodland; broadleaved	Medium	Poor to Moderate	0.2111	0.4369
Proposed Habitats					
Habitat A Wildflower grassland Emorsgate EW1	Grassland – other neutral grassland	Medium	Good	0.3619	
Habitat B Wildflower grassland Emorsgate EH1	Grassland – other neutral grassland	Medium	Good	0.6101	
Habitat C Native mixed scrub	Heathland and shrub – mixed scrub	Medium	Moderate	0.0439	
Habitat D Roads	Urban – developed land; sealed surface	V.Low	N/A - Other	0.5217	
<i>Habitat E</i> Buildings	Urban – developed land; sealed surface	V.Low	N/A - Other	0.5991	
Habitat F Vegetated garden	Urban – vegetated garden	Low	Condition Assessment N/A	0.7623	
Habitat G Modified grassland	Grassland – modified grassland	Low	Moderate	0.0484	
Habitat H Introduced shrub	Urban – introduced shrub	Low	Condition Assessment N/A	0.0027	
Habitat I Vegetated garden (managed)	Urban – vegetated garden	Low	Condition Assessment N/A Total	0.0333	2.9834 3.4203



Table 4.2: Summary of Individual Trees to be Retained and Created at the Site

Habitat Reference	BNG Habitat	Habitat	Target	Area	Sub-totals
	Equivalent	Distinctiveness	Condition	(ha)⁴	(ha)
Retained Habitats					
Habitat 10	Individual trees –	Medium	Good	0.0765	
T18	urban tree				
Habitat 11	Individual trees –	Medium	Moderate	0.0765	
T31	urban tree				
Habitat 12	Individual trees –	Medium	Good	0.1099	
T32, T47 & T48	urban tree				
Habitat 13	Individual trees –	Medium	Moderate	0.2565	
T54, T30, T33, T46, T57,	urban tree				
T49 & T51					
Habitat 15	Individual trees –	Medium	Moderate	0.1140	
T19, T20, T21, T29, T52,	urban tree				
T53 & T50					
Habitat 16	Individual trees –	Medium	Moderate	0.0081	0.6415
T61 & T62	urban tree				
Proposed Habitats					
Habitat J	Individual trees –	Medium	Moderate	0.2036	0.2036
50No. new trees	urban trees				
			Total		0.8451

Table 4.3: Summary of Hedgerow Habitats to be Created at the Site

Habitat Reference	BNG Habitat Equivalent	Habitat Distinctiveness	Target Condition	Length (km)	Sub-totals (ha)
Proposed Habitats					
Habitat K	Native hedgerow	Low	Moderate	0.135	0.135
New native hedgerow					
			Total		0.135

⁴ Small urban trees have a diameter at breast height (DBH) of up to 30cm, medium urban trees have a DBH of 30 to 60cm, large urban trees have a DBH of 60 to 90cm and very large trees have DBH of more than 90cm. Due to the way individual trees are calculated by the metric they do not contribute to the total habitat area calculation, but are additional to it.



5.0 HEADLINE RESULTS, EVALUATION AND CONCLUSION

5.1 The headline results of the BNG Metric are presented at **Table 5.1** below.

Table 5.1: Results of Statutory Biodiversity Metric Calculation Tool

	Watercourse units	0.00%	
	Hedgerow units	N/a	
Total Net % Change	Habitat units	3.80%	
	Watercourse units	0.00	
	Hedgerow units	0.45	
Total Net Unit Change	Habitat units	0.77	
	Watercourse units	0.00	0.00%
(units % percentage)	Hedgerow units	0.45	N/a
On—site net change	Habitat units	0.77	3.80%
	Watercourse units	0.00	
	Hedgerow units	0.45	
On-site Post Intervention	Habitat units	20.95	
	Watercourse units	0.00	
	Hedgerow units	0.00	
On-site Baseline	Habitat units	20.18	

Trading Rules Satisfied?	No
mading maics satisfica.	110

Unit Type	Target	Baseline	Units	Unit Deficit	Comment
		Units	Required		
Habitat units	10%	20.18	22.20	1.25	Target not met.
Hedgerow units	10%	0.00	0.00	0.00	No additional hedgerow units required to meet target
Watercourse units	10%	0.00	0.00	0.00	No additional watercourse units required to meet target

- 5.2 Although a net gain for area-based habitats is demonstrated by the BNG Metric this does not attain the 10% statutory requirements and there is a deficit of 1.25 units. In addition, the trading rules for the loss of individual trees is not attained by similar habitat creation or creation of a habitat of a higher distinctiveness and there is a deficit of -1.53 units.
- 5.3 Note that trading rules will still need to be satisfied even if an overall gain of 10% is attained⁵.
- In consideration of the viability at the site and the space required the site cannot accommodate the additional trees needed to satisfy the trading rules in relation to individual trees. It is advised that the deficits will be secured by agreeing a biodiversity payment for the loss of habitat units associated with the site with a habitat bank or other similar provider. This will be secured prior to the completion of the Biodiversity Gain Plan.

Low Same distinctiveness or better habitat required

Medium Same broad habitat or a higher distinctiveness category required

High Same habitat required.

Very high Same habitat required – bespoke compensation will be necessary.

⁵ Trading rules requirements:



6.0 REFERENCES

CIEEM, 2016. Biodiversity Net Gain: Good Practice Principles for Development, Winchester: CIEEM.

CIEEM, 2018. Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater, Coastal and Marine, Winchester: Chartered Institute of Ecology and Environmental Management.

DEFRA, 2024. The Statutory Biodiversity Metric User Guide, London: DEFRA.

ERAP (Consultant Ecologists) Ltd, 2025. 2024-355 Land off Clitheroe Road, Whalley BB7 9AD, Ecological Survey and Assessment, Chorley: ERAP (Consultant Ecologists) Ltd.

GOV.UK, 2024. The Biodiversity Gain Requirements (Irreplaceable Habitat) Regulations 2024. [Online] Available at: https://www.gov.uk/government/publications/the-biodiversity-gain-requirements-irreplaceable-habitat-regulations-2024

[Accessed 08 January 2024].

lain Tavendale, 2025. Survey Details for Trees on Land at Clitheroe Road, Whalley., Manchester: lain Tavendale.

JLP Surveying, 2024. Clitheroe Road, Whalley. Topographical Land Survey, Wigan: JLP Surveying.

Maddock, A (ed), 2008. UK Biodiversity Action Plan: Priority Habitat Descriptions. [Online]

Available at: http://incc.defra.gov.uk/page-5718

Ministry of Housing, Communities & Local Government, 2024. National Planning Policy Framework. London: H.M.S.O.

Natural England, 2024. *The Statutory Biodiversity Metric Calculation Tool*. [Online] Available at: http://publications.naturalengland.org.uk/publication/6049804846366720 [Accessed 2025].

Natural England, November 2023. The Statutory Biodiversity Metric – Technical Annex 1: Condition Assessment Sheets and Methodology, Peterborough: Natural England.

Stace, C. A., 2010. New Flora of the British Isles 3rd Edition. Cambridge: Cambridge University Press.

TBA Landscape Architecture, 2025. *Clitheroe Road, Whalley. Landscape Proposals Sheets 1 to 3. Drawing 7585.01 to 01 Rev C,* Ashton-under-Lyne: TBA Landscape Architecture.

UKHab Ltd, 2023. The UK Habitat Classification Version 2.0 (at https://www.ukhab.org), Stockport: UKHab Ltd.



7.0 APPENDIX: CONDITION ASSESSMENTS AND FIGURES

7.1 Condition Assessments of Baseline Habitats

Note: Condition assessments are not required for Habitat 1: Artificial unvegetated; unsealed surface and Habitat 3: Bramble scrub.

Table 7.1: Condition Assessments for Habitat 2: Blackthorn Scrub and Habitat 7: Mixed Scrub

Habitat Reference	Α	В	С	D	E	Total No. of Criterion	Condition Assessment
						Passed	Result
Habitat 2: Blackthorn scrub	No	No	Yes	Yes	No	2	Poor
Habitat 7: Mixed scrub	No	No	Yes	Yes	No	2	Poor
							Good: passes 5 criteria
						Moder	ate: passes 3 or 4 criteria
						Poor:	passes 2 or fewer criteria

Condition Assessment Criteria

A. The scrub is a good representation of the habitat type – the appearance and composition of the vegetation closely matches its UKHab description(where in its natural range). Professional judgement should be used alongside the UKHab description.

At least 80% of scrub is native, and there are at least three native woody species, with no single species comprising more than 75% of the cover, except Hazel (*Corylus avellana*), Common Juniper (*Juniperus communis*), Sea Buckthorn (*Hippophae rhamnoides*) or Box (*Buxus sempervirens*), which can be up to 100% cover.

Native woody species as defined and listed in the Hedgerow Survey Handbook: DEFRA (2007) *Hedgerow Survey Handbook: A standard procedure for local surveys in the UK. 2nd ed.* [online]. Defra, London. PB1195. Available from: Hedgerow Survey Handbook (publishing.service.gov.uk).

B. Seedlings, saplings, young shrubs and mature (or ancient or veteran) shrubs are all present.

See gov.uk standing advice on ancient and veteran species. Available from *Keepers of time: ancient and native woodland and trees policy in England* (publishing.service.gov.uk) and *Ancient woodland, ancient trees and veteran trees: advice for making planning decisions* (www.gov.uk).

C. There is an absence of invasive non-native plant species⁴ (as listed on Schedule 9 of *Wildlife and Countryside Act 1981* (as amended)) and species indicative of sub-optimal condition⁶ make up less than 5% of ground cover.

This is assessed for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, the habitat is split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, using professional judgement.

- D. The scrub has a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat.
- **E.** There are clearings, glades or rides present within the scrub, providing sheltered edges.



Table 7.2: Condition Assessments for Habitat 4: Modified Grassland A, Habitat 5: Modified Grassland B and Habitat 6: Modified Grassland C

Habitat Reference	A	В	С	D	E	F	G	Total No. of Criterion Passed	Condition Assessment Result ¹
Habitat 4: Modified grassland A	No	No	Yes	Yes	No	Yes	Yes	4	Poor (fails criterion A)
Habitat 5: Modified grassland B	No	No	Yes	Yes	No	Yes	Yes	4	Poor (fails criterion A)
Habitat 6: Modified grassland C	Yes	No	Yes	Yes	No	Yes	Yes	5	Moderate

Good: Passes 6 or 7 criteria including essential criterion A

Moderate: Passes 4 or 5 criteria including essential criterion A

Poor: Passes 3 or fewer criteria OR passes 4 to 6 criteria, but failing criterion A

Condition Assessment Criteria

A. There are 6 to 8 vascular plant species per m2 present, including at least 2 forbs (this may include those listed in below). Note - this criterion is essential for achieving Moderate or Good condition.

Where the vascular plant species present are characteristic of medium, high or very high distinctiveness grassland, or there are 9 or more of these characteristic species per m2 (excluding those listed below), please review the full UKHab description to assess whether the grassland should instead be classified as a higher distinctiveness grassland. Where a grassland is classed as medium, high, or very high distinctiveness, please use the relevant condition sheet.

Plant Species: Creeping Thistle (Cirsium arvense), Spear Thistle (Cirsium vulgare), Curled Dock (Rumex crispus), Broad-leaved Dock (Rumex obtusifolius), Common Nettle (Urtica dioica), Creeping Buttercup (Ranunculus repens), Greater Plantain (Plantago major), White Clover (Trifolium repens) and Cow Parsley (Anthriscus sylvestris).

- **B.** Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20 per cent is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.
- C. Any scrub present accounts for less than 20% of total grassland area (some scattered scrub such as Bramble may be present).

Note - patches of shrubs with continuous (more than 90%) cover should be classified as the relevant scrub habitat type.

- **D.** Physical damage evident in less than 5% of total grassland area. Examples of physical damage include excessive poaching, damage from machinery use or storage, erosion caused by high levels of access, or any other damaging management activities.
- **E.** Cover of bare ground between 1% and 10%, including localised areas, for example, rabbit warrens.

For example, this could include small, scattered areas of bare ground allowing establishment of new species, or localised patches where not exceeding 10% cover

- F. Cover of Bracken less than 20%.
- **G.** There is an absence of invasive non-native species as listed on Schedule 9 of Wildlife and Countryside Act 1981 (as amended).

This is assessed for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, using professional judgement



Table 7.3: Condition Assessments for Habitat 8: Tall Forbs

Habitat Reference	Α	В	С	Total No. of	Condition
				Criterion Passed	Assessment Result
Habitat 8: Tall forbs	No	No	Yes	1	Poor
				If only 3 o	ore Criteria Assessed
Good: Passes all 3 core of	riteria; AN	D Meets tl	he require	ments for Good condit	ion within criterion C.
Moderate: Passes 2 core criteria; OR Passes 3 c	core criteria	a but does	not meet	the requirements for (Good condition within
					criterion C.
				Poor: Passes 1 or	fewer of core criteria

Condition Assessment Criteria

- **A.** Vegetation structure is varied, providing opportunities for vertebrates and invertebrates to live, eat and breed. A single structural habitat component or vegetation type does not account for more than 80% of the total habitat area.
- **B.** The habitat parcel contains different plant species that are beneficial for wildlife, for example flowering species providing nectar sources for a range of invertebrates at different times of year.
- **C.** Invasive non-native plant species listed on Schedule 9 of *Wildlife and Countryside Act 1981* (as amended) and others which are to the detriment of native wildlife (using professional judgement)² cover less than 5% of the total vegetated area. This is assessed for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, using professional judgement

Note - to achieve Good condition, this criterion must be satisfied by a complete absence of invasive non-native species (rather than <5% cover).

Sources of information about detrimental non-native species can be found on the GB Non-native Species Secretariat (GBNNSS) website: Home » NNSS (nonnativespecies.org) and Natural England Access to Evidence page should also be checked for up-to-date information: Horizon-scanning for invasive non-native plants in Great Britain - NECR053 (naturalengland.org.uk).

For green roof habitat types only — Buddleia (Buddleja davidii) should be assessed alongside Schedule 9 species. This species impairs the health of the local ecosystem and reduces the biodiversity potential of the roof. It is also a sign that a roof has not been planted and seeded correctly in subsequent years.



Table 7.4: Condition Assessments for Habitat 9: Woodland

Habitat Reference	Α	В	С	D	E	F	G	Н	ı	J	К	L	M	Total No. of Criterion Passed	Condition Assessment Result
Habitat 9: Woodland	1	3	3	2	2	1	2	3	1	2	1	1	1	23	Poor
			•		•						•			Good (to	otal score >32)

Moderate (total score 26 to 32)

Poor (total score 13 to 25)

Indicator	Good	Moderate	Poor
	(3 points)	(2 points)	(1 point)
A. Age distribution of trees. See EWBG method INDICATOR 1 for more information. If tree species is not a birch Betula sp., cherry (Prunus sp). or Sorbus sp.: 0 – 20 years (Young); 21 - 150 years (Intermediate); and >150 years (Old). For birch, cherry or Sorbus species; 0 - 20 years = Young; 21 - 60 years = Intermediate; >60 years = Old. A recognisable age-class should be a consistent recognisable layer across the woodland or stand being assessed. Presence of a few saplings would not indicate that the woodland has an 'age-class' of young trees.	Three age classes present.	Two age classes present.	One age class present.
B. Wild, domestic and feral herbivore damage. See EWBG method INDICATOR 2 for more information. Browsing pressure is considered to be significant where >20% of vegetation visible within each survey plot shows damage from any type of browsing pressure listed.	No significant browsing damage evident in woodland.	Evidence of significant browsing pressure is present in 40% or less of whole woodland.	Evidence of significant browsing pressure is present in 40% or more of whole woodland.
C. Invasive plant species. See EWBG method INDICATOR 3 for more information. Assessed for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, the habitat has been split into parcels accordingly. Check for the presence of all plant species listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended), particularly the following invasive non-native species: American Skunk Cabbage, Indian Balsam, Japanese Knotweed, Cherry Laurel, Shallon, Snowberry, Variegated Yellow-archangel, Rhododendron and Tree-of-heaven.	No invasive species present in woodland.	Rhododendron or cherry laurel not present, other invasive species <10% cover.	Rhododendron or cherry laurel present, or other invasive species >10% cover.
D. Number of native tree species. See EWBG method INDICATOR 4 and Table 2 for more information. The number of different native tree or shrub species including young trees and shrubs. A list of commonly found native tree and shrub species is provided in Table 2. Not all species listed are native to all parts of the UK. Note a list of commonly found non-native tree species are also included and should be recorded if present.	Five or more native tree or shrub species found across woodland parcel.	Three to four native tree or shrub species found across woodland parcel.	None to two native tree or shrub species across woodland parcel.



See EWBG method INDICATOR 5 and for more information. The abundance of native tree species in upper (>5 m) and understorey (up to 5 m) layers including young trees and shrubs. F. Open space within woodland. See EWBG method INDICATOR 6 for more information. Open space within woodland in this context is temporary open space in which trees can be expected to regenerate (for example, glades, rides, footpaths, areas of clear-fell). This differs from permanent open space where tree regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least trees and >80% of understory shrubs are native. 10 - 20% of woodland has areas of temporary open space. space. Unless woodland is trees and 50-80% of understory shrubs are native. 10 - 20% of woodland has areas of temporary open space. Space. Unless woodland is trees and >50-80% of understory shrubs are native. 10 - 20% of woodland has areas of temporary open space. Space. Unless woodland is trees and >50-80% of understory shrubs are native. 10 - 20% of woodland has areas of temporary open space. Space. Unless woodland is trees and >50-80% of understory shrubs are native. 10 - 20% of woodland has areas of temporary open space. Unless woodland is trees and >50-80% of understory shrubs are native. 10 - 20% of woodland has areas of temporary open space. Unless woodland is		Good	Moderate	Poor
See EWBG method INDICATOR 5 and for more information. The abundance of native tree species in upper (>5 m) and understorey (up to 5 m) layers including young trees and shrubs. F. Open space within woodland. See EWBG method INDICATOR 6 for more information. Open space within woodland in this context is temporary open space in which trees can be expected to regenerate (for example, glades, rides, footpaths, areas of clear-fell). This differs from permanent open space where tree regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least 10 m wide with less than 20% covered by shrubs or trees. Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of 4-7 cm DBH. All three classes would fall in the 'young' category of the 'age distribution of trees' indicator, but the regeneration indicator gathers additional information by considering regeneration processes are happening.		(3 points)	(2 points)	(1 point)
species in upper (>5 m) and understorey (up to 5 m) layers including young trees and shrubs. F. Open space within woodland. See EWBG method INDICATOR 6 for more information. Open space within woodland in this context is temporary open space in which trees can be expected to regenerate (for example, glades, rides, footpaths, areas of clear-fell). This differs from permanent open space where tree regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least 10 m wide with less than 20% covered by shrubs or trees. Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering tregeneration indicator, but the regeneration indicator gathers additional information by considering regeneration processes are happening. understory shrubs are native. 10 - 20% of woodland has areas of temporary open space. Unless woodland is soodland has areas of temporary open space. Unless woodland is <10ha, in which case 0 - 20% temporary open space is permitted. All three classes present in woodland; trees 4-7cm DBH. All three classes: seedlings; saplings; and young trees of 4-7cm DBH, saplings and seedlings or advanced coppice regrowth.	E. Cover of native tree and shrub species.	> 80% of canopy	50-80% of canopy	< 50% of canopy
F. Open space within woodland. See EWBG method INDICATOR 6 for more information. Open space within woodland in this context is temporary open space in which trees can be expected to regenerate (for example, glades, rides, footpaths, areas of clear-fell). This differs from permanent open space where tree regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least 10 m wide with less than 20% covered by shrubs or trees. Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of 4-7 cm DBH. All three classes would fall in the 'young' category of the 'age distribution of trees' indicator, but the regeneration indicator gathers additional information by considering regeneration processes are happening. All three classes would fall in the 'young' category of the 'age distribution of trees' and young trees are all present that means natural regeneration processes are happening. are native. 10 - 20% of woodland has areas of temporary open space. Unless woodland has areas of temporary open space. Unless woodland is -10ha, in which case 0 - 20% temporary open space is permitted. All three classes One or two classes on only present in woodland. Woodland. Tom DBH, saplings and young trees of advanced coppice regrowth.	See EWBG method INDICATOR 5 and for more information. The abundance of native tree	trees and >80% of	trees and 50-80%	trees and <50% of
F. Open space within woodland. See EWBG method INDICATOR 6 for more information. Open space within woodland in this context is temporary open space in which trees can be expected to regenerate (for example, glades, rides, footpaths, areas of clear-fell). This differs from permanent open space where tree regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least 10 m wide with less than 20% covered by shrubs or trees. Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of indicator, but the regeneration indicator gathers additional information by considering regeneration processes are happening. 10 - 20% of woodland has areas of temporary open space. Unless woodland is < 10ha, in which case 0 - 20% temporary open space is permitted. All three classes Present in woodland. 31 three classes One or two classes on only present in woodland. No classes or coppice regrowth. No classes or coppice regrowth.	species in upper (>5 m) and understorey (up to 5 m) layers including young trees and shrubs.	understory shrubs	of understory	understory shrubs
See EWBG method INDICATOR 6 for more information. Open space within woodland in this context is temporary open space in which trees can be expected to regenerate (for example, glades, rides, footpaths, areas of clear-fell). This differs from permanent open space where tree regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least 10 m wide with less than 20% covered by shrubs or trees. Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of regeneration potential - if seedlings, saplings and young trees are all present that means natural regeneration processes are happening. woodland has areas of temporary open space. Unless woodland is <10ha, in which case 0 - 20% temporary open space. In the woodland is <10ha, in which case 0 - 20% temporary open space is permitted. All three classes present in woodland; trees 4- 7cm DBH, saplings and seedlings or advanced coppice regrowth.		are native.	shrubs are native.	are native.
context is temporary open space in which trees can be expected to regenerate (for example, glades, rides, footpaths, areas of clear-fell). This differs from permanent open space where tree regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least 10 m wide with less than 20% covered by shrubs or trees. Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of 14-7 cm DBH. All three classes would fall in the 'young' category of the 'age distribution of trees' indicator, but the regeneration indicator gathers additional information by considering regeneration processes are happening. Of temporary open space. Unless woodland is 4-10ha, in which case 0 - 20% temporary open space. All three classes present in woodland; trees 4-7cm DBH, saplings and seedlings or advanced coppice regrowth.	F. Open space within woodland.	10 - 20% of	21- 40% of	<10% or >40% of
glades, rides, footpaths, areas of clear-fell). This differs from permanent open space where tree regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least 10 m wide with less than 20% covered by shrubs or trees. Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of indicator, but the regeneration indicator gathers additional information by considering regeneration processes are happening. Space. Unless woodland is < 10ha, in which case 0 - 20% temporary open space is permitted. All three classes present in woodland: trees 4-7cm DBH, saplings and young trees of advanced coppice regrowth.	See EWBG method INDICATOR 6 for more information. Open space within woodland in this	woodland has areas	woodland has areas	woodland has areas
regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least 10 m wide with less than 20% covered by shrubs or trees. Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of indicator, but the regeneration regeneration potential - if seedlings, saplings and young trees are all present that means natural regeneration processes are happening. Unless woodland is <10ha, in which case 0 - 20% temporary open space is permitted. All three classes only present in woodland. Woodland, trees 4- 7cm DBH, saplings and seedlings or advanced coppice regrowth.	context is temporary open space in which trees can be expected to regenerate (for example,	of temporary open		of temporary open
10 m wide with less than 20% covered by shrubs or trees. Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of regeneration potential - if seedlings, saplings and young trees are all present that means natural regeneration processes are happening. (10ha, in which case 0 - 20% temporary open space, please seed space is permitted. All three classes only present in woodland: woodland. Tom DBH, saplings and seedlings or advanced coppice regrowth.	glades, rides, footpaths, areas of clear-fell). This differs from permanent open space where tree	space.	space ⁶ .	•
Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of indicator, but the regeneration indicator gathers additional information by considering regeneration potential - if seedlings, saplings and young trees are all present that means natural regeneration processes are happening. Case 0 - 20% temporary open space, please seed sood category. All three classes present in woodland; trees 4-7cm DBH, saplings and young trees of advanced coppice regrowth.	regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least	Unless woodland is		But if woodland
habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of indicator, but the regeneration indicator gathers additional information by considering regeneration potential - if seedlings, saplings and young trees are all present that means natural regeneration processes are happening. temporary open space is permitted. All three classes on conly present in woodland; trees 4-7cm DBH, saplings and seedlings or advanced coppice regrowth.	•	,		<10ha has <10%
Good category. G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of indicator, but the regeneration indicator gathers additional information by considering regeneration processes are happening. Space is permitted. All three classes present in woodland; trees 4- 7cm DBH, saplings and seedlings or advanced coppice regrowth. Good category. No classes or coppice regrowth present in woodland. woodland.	•			·
G. Woodland regeneration. See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of 14-7 cm DBH. All three classes would fall in the 'young' category of the 'age distribution of trees' indicator, but the regeneration indicator gathers additional information by considering regeneration potential - if seedlings, saplings and young trees are all present that means natural regeneration processes are happening. All three classes present in woodland, woodland. Tom DBH, saplings and seedlings or advanced coppice regrowth.	habitat to woodland where the woodland is less than 10ha.			
See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of 4-7 cm DBH. All three classes would fall in the 'young' category of the 'age distribution of trees' indicator, but the regeneration indicator gathers additional information by considering regeneration potential - if seedlings, saplings and young trees are all present that means natural regeneration processes are happening. present in woodland; trees 4-7cm DBH, saplings and seedlings or advanced coppice regrowth.		· · · · · · · · · · · · · · · · · · ·		
potential of the woodland by considering three classes: seedlings; saplings; and young trees of 4-7 cm DBH. All three classes would fall in the 'young' category of the 'age distribution of trees' indicator, but the regeneration indicator gathers additional information by considering regeneration potential - if seedlings, saplings and young trees are all present that means natural regeneration processes are happening. woodland; trees 4- 7cm DBH, saplings and seedlings or advanced coppice regrowth.	G. Woodland regeneration.			
4-7 cm DBH. All three classes would fall in the 'young' category of the 'age distribution of trees' indicator, but the regeneration indicator gathers additional information by considering regeneration potential - if seedlings, saplings and young trees are all present that means natural regrowth. 7cm DBH, saplings and seedlings or advanced coppice regrowth.	9	•		
indicator, but the regeneration indicator gathers additional information by considering regeneration potential - if seedlings, saplings and young trees are all present that means natural regrowth.		·	woodland.	•
regeneration potential - if seedlings, saplings and young trees are all present that means natural regeneration processes are happening. advanced coppice regrowth.				woodland.
regeneration processes are happening. regrowth.	·	_		
H. Tree health. Tree mortality less 11% to 25% Greater than 25%		_		!/
		•		
	·		•	tree mortality and
, ,	and their risk level.			or any high-risk
		crown dieback.	· ·	pest or disease
disease present. present.	I. Vanakatian and manual flam	Decemies ble NVC	·	•
	= -		•	No recognisable woodland NVC
				plant community ¹⁰
	translation table in the OK Habitat Classification resources may also be useful to assess this.	•		at ground layer
characterised by present. present.				- '
ancient woodland		•	present.	present.
		ancient wooddand		
	I. Woodland vertical structure	flora specialists.	Two storeys across	One or less storey
of trees in a woodland. Vertical structure is defined as the number of canopy storeys present. survey plots or a plots.	J. Woodland vertical structure. This criterion looks at structural diversity and is useful to understand in conjunction with the age	flora specialists. Three or more	Two storeys across all survey plots.	One or less storey across all survey
	This criterion looks at structural diversity and is useful to understand in conjunction with the age	flora specialists. Three or more storeys across all	Two storeys across all survey plots.	across all survey



Indicator	Good (3 points)	Moderate (2 points)	Poor (1 point)
multiple tree heights that cannot easily be stratified into broad height bands (such as upper, middle or lower); 3) Middle; 4) Lower; and 5) Shrub layer. There might be no storeys where the woodland has been felled. See EWBG INDICATOR 11 for more information.	(3 points)	(2 points)	(1 point)
K. Veteran trees. See EWBG method INDICATOR 12 for more information. See gov.uk standing advice on ancient and veteran trees. Available from: Keepers of time: ancient and native woodland and trees policy in England (publishing.service.gov.uk) and: Ancient woodland, ancient trees and veteran trees: advice for making planning decisions - GOV.UK (www.gov.uk).	Two or more veteran trees per hectare.	One veteran tree per hectare.	No veteran trees present in woodland.
L. Amount of deadwood. See EWBG method INDICATOR 13 for more information. This includes logs, large dead branches on the forest floor and stumps (<1 m tall) >20 cm diameter at narrowest point and >50 cm long. Also includes standing dead trees (>1 m tall) and also deadwood on standing live trees. Diameter is measured at the narrowest point on the stem. Minimum diameter of 20 cm.	50% of all survey plots within the woodland parcel have standing deadwood, large dead branches/ stems, branch stubs and stumps or an abundance of small cavities.	Between 25% and 50% of all survey plots within the woodland parcel have standing deadwood, large dead branches/ stems, branch stubs and stumps or an abundance of small cavities.	Less than 25% of all survey plots within the woodland parcel have standing deadwood, large dead branches/ stems, stubs and stumps or an abundance of small cavities.
M. Woodland disturbance. See EWBG method INDICATOR 15 for more information. Examples of disturbance are: significant nutrient enrichment; soil compaction from trampling, machinery, animal poaching or litter.	No nutrient enrichment or damaged ground evident.	Less than 1 hectare in total of nutrient enrichment across woodland area and/or less than 20% of woodland area has damaged ground.	1 hectare or more of nutrient enrichment and / or more than 20% of woodland area has damaged ground.



Table 7.5: Condition Assessments for Habitats 10 to 16: Individual Trees

Tree Reference	Species	Α	В	С	D	E	F	Size Category	Total No. of Criterion Passed	Condition Assessment Result
Habitat 10: T18	Horse Chestnut	No	Yes	Yes	Yes	Yes	Yes	Very large	5	Good
Habitat 15: T19	Sycamore	No	Yes	No	Yes	Yes	Yes	Medium	4	Moderate
Habitat 15: T20	Beech	No	Yes	No	Yes	No	Yes	Medium	3	Moderate
Habitat 15: T21	Sycamore	No	Yes	No	Yes	No	Yes	Medium	3	Moderate
Habitat 15: T22	Sycamore	No	Yes	No	Yes	No	Yes	Medium	3	Moderate
Habitat 13: T23	Sycamore	No	Yes	No	Yes	No	Yes	Large	3	Moderate
Habitat 15: T24	Beech	No	Yes	No	Yes	No	Yes	Medium	3	Moderate
Habitat 15: T25	-	No	Yes	No	Yes	Yes	Yes	Medium	4	Moderate
Habitat 15: T26	Sycamore	No	Yes	Yes	Yes	No	Yes	Medium	4	Moderate
Habitat 15: T27	Norway Maple	No	Yes	Yes	No	Yes	Yes	Medium	4	Moderate
Habitat 10: T28	Horse Chestnut	No	Yes	Yes	Yes	Yes	Yes	Very large	5	Good
Habitat 15: T29	Alder	No	Yes	No	Yes	No	Yes	Medium	3	Moderate
Habitat 13: T30	Horse Chestnut	No	Yes	Yes	Yes	No	No	Large	3	Moderate
Habitat 11: T31	Lombardy Poplar	No	Yes	Yes	Yes	No	No	Very large	3	Moderate
Habitat 12: T32	Oak	Yes	Yes	Yes	Yes	Yes	Yes	Large	6	Good
Habitat 13: T33	Oak	Yes	Yes	No	Yes	No	Yes	Large	4	Moderate
Habitat 13: T46	Alder	Yes	Yes	No	Yes	No	Yes	Large	4	Moderate
Habitat 12: T47	Alder	Yes	Yes	Yes	Yes	No	Yes	Large	5	Good
Habitat 12: T48	Oak	Yes	Yes	Yes	Yes	Yes	Yes	Large	6	Good
Habitat 13: T49	Sycamore	No	Yes	No	Yes	No	Yes	Large	3	Moderate
Habitat 15: T50	Sycamore	No	Yes	No	Yes	No	Yes	Medium	3	Moderate
Habitat 13: T51	Sycamore	No	Yes	Yes	Yes	No	Yes	Large	4	Moderate
Habitat 15: T52	Silver Birch	Yes	Yes	No	Yes	No	Yes	Medium	4	Moderate
Habitat 15: T53	Ash	Yes	Yes	No	Yes	No	Yes	Medium	4	Moderate
Habitat 13: T54	Sycamore	No	Yes	No	Yes	No	Yes	Large	3	Moderate
Habitat 14: T55	Lime	Yes	Yes	Yes	Yes	Yes	Yes	Medium	6	Good
Habitat 16: T56	Horse Chestnut	No	Yes	No	Yes	No	Yes	Small	3	Moderate
Habitat 13: T57	Horse Chestnut	No	Yes	No	Yes	Yes	Yes	Large	4	Moderate
Habitat 16: T58	Ash	Yes	Yes	No	Yes	No	Yes	Small	4	Moderate
Habitat 16: T60	Cherry	No	Yes	No	Yes	No	Yes	Small	3	Moderate
Habitat 16: T61	Sycamore	No	Yes	No	Yes	No	Yes	Small	3	Moderate
Habitat 16: T62	Sycamore	Yes	Yes	No	Yes	No	Yes	Small	4	Moderate

Good: Passes 5 or 6 criteria Moderate: Passes 3 or 4 criteria

Poor: Passes 2 or fewer criteria



Condition Assessment Criteria

- A. The tree is a native species (or more than 70% within the block are native species)
- **B.** Tree canopy is predominantly continuous with gaps in canopy cover making up less than 10% of total area and no individual gap being more than 5 metres wide. Individual trees automatically pass this criterion.
- C. The tree is mature (or more than 50% within the block are mature). See gov.uk standing advice on ancient and veteran trees, available from:

Keepers of time: ancient and native woodland and trees policy in England (publishing.service.gov.uk) and Ancient woodland, ancient trees and veteran trees: advice for making planning decisions (www.gov.uk).

Enhancement of this habitat type is only possible by improving the habitat so that it meets Criteria B, D and F. It is not possible or appropriate to enhance individual trees through meeting just one of those Criteria, nor by meeting Criteria A, C or E.

- **D.** There is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity). And there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height.
- E. Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.
- F. More than 20% of the tree canopy area is oversailing vegetation beneath



7.2 Condition Assessments of Retained, Enhanced and Created Habitats

Table 7.6: Condition Assessments for Enhanced Habitat 2: Blackthorn Scrub and Habitat C: Native Mixed Scrub

Criterion where enhancement can be secured are identified in **bold**.

Habitat Reference	Α	В	С	D	E	Total No. of Criterion	Condition Assessment
						Passed	Result
Habitat 2: Blackthorn scrub	Yes	No	Yes	Yes	No	3	Moderate
Habitat C: Native mixed scrub	Yes	No	Yes	Yes	No	3	Moderate
							Good: passes 5 criteria
						Moder	ate: passes 3 or 4 criteria
						Poor:	passes 2 or fewer criteria

Condition Assessment Criteria

A. The scrub is a good representation of the habitat type – the appearance and composition of the vegetation closely matches its UKHab description (where in its natural range). Professional judgement should be used alongside the UKHab description.

At least 80% of scrub is native, and there are at least three native woody species, with no single species comprising more than 75% of the cover, except Hazel (*Corylus avellana*), Common Juniper (*Juniperus communis*), Sea Buckthorn (*Hippophae rhamnoides*) or Box (*Buxus sempervirens*), which can be up to 100% cover.

Native woody species as defined and listed in the Hedgerow Survey Handbook: DEFRA (2007) *Hedgerow Survey Handbook: A standard procedure for local surveys in the UK. 2nd ed.* [online]. Defra, London. PB1195. Available from: Hedgerow Survey Handbook (publishing.service.gov.uk).

- B. Seedlings, saplings, young shrubs and mature (or ancient or veteran) shrubs are all present.
- See gov.uk standing advice on ancient and veteran species. Available from *Keepers of time: ancient and native woodland and trees policy in England* (publishing.service.gov.uk) and *Ancient woodland, ancient trees and veteran trees: advice for making planning decisions* (www.gov.uk).
- **C.** There is an absence of invasive non-native plant species⁴ (as listed on Schedule 9 of *Wildlife and Countryside Act 1981* (as amended)) and species indicative of sub-optimal condition⁶ make up less than 5% of ground cover.

This is assessed for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, the habitat is split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, using professional judgement.

- D. The scrub has a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat.
- **E.** There are clearings, glades or rides present within the scrub, providing sheltered edges.



Table 7.7: Condition Assessments for *Enhanced* Habitat 6: Modified Grassland C and Created Habitat A: Wildflower Grassland Emorsgate EW1 and Habitat B: Wildflower Grassland Emorsgate EH1

Habitat Reference	Α	В	С	D	E	F	Total No. of Criterion Passed	Condition Assessment Result				
Enhanced Habitat 6: Modified grassland to other neutral grassland	Yes	No	No	Yes	Yes	Yes	4	Moderate				
Habitat A: Wildflower grassland Emorsgate EW1	Yes	No	Yes	Yes	Yes	Yes	5	Good				
Habitat B: Wildflower grassland Emorsgate EH1	Yes	No	Yes	Yes	Yes	Yes	5	Good				
		Acid Gr	assland Types					Yes				
		Good: pa	asses 5 criteria			including e		passes 5 or 6 criteria, additional criterion F				
	Mo	oderate: passes	3 or 4 criteria		Modera	ate: passes 3	to 5 criteria, including	g essential criterion A				
	Po	oor: passes 2 or	fewer criteria	, , ,								

Condition Assessment Criteria

A. The grassland is a good representation of the habitat type, with a consistently high proportion of characteristic indicator species present relevant to the specific habitat type (and relative to Footnote 3 suboptimal species which may be listed in the UKHab description). Professional judgement should be used alongside the UKHab description.

Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only.

- **B.** Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20 per cent is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.
- **C.** Cover of bare ground between 1% and 5%, including localised areas, for example, rabbit warrens. For example, this could include small, scattered areas of bare ground allowing for plant colonisation, or localised patches not exceeding 5% cover.
- **D.** Cover of Bracken less than 20% and cover of scrub (including Bramble) less than 5%.
- **E.** Combined cover of species indicative of sub-optimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area (species are listed below).

If any invasive non-native plant species as listed on Schedule 9 of *Wildlife and Countryside Act 1981* (as amended) are present, this criterion is automatically failed. This is assessed for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, by applying professional judgement.

Species indicative of sub-optimal condition for this habitat type include: Creeping Thistle, Spear Thistle, Curled Dock, Broad-leaved Dock, Common Nettle, Creeping Buttercup, Greater Plantain, White Clover, Cow Parsley. There may be additional relevant species local to the region and / or site.

Additional Group - non-acid grassland types only

F. There are 10 or more vascular plant species per m² present, including forbs that are characteristic of the habitat type (species referenced at Criterion 'E' cannot contribute towards this count).

Note - this criterion is essential for achieving Good condition for non-acid grassland types only.



Table 7.8: Condition Assessments for Enhanced Habitat 9: Woodland

Criterion where enhancement can be secured are identified in **bold**.

Habitat Reference	Α	В	С	D	E	F	G	Н	I	J	К	L	M	Total No. of Criterion Passed	Condition Assessment Result
Habitat 9: Woodland	1	3	3	3	2	1	2	3	1	2	2	1	2	26	Poor
Good (total score >32)											otal score >32)				

Moderate (total score 26 to 32) Poor (total score 13 to 25)

Indicator	Good	Moderate	Poor
	(3 points)	(2 points)	(1 point)
A. Age distribution of trees. See EWBG method INDICATOR 1 for more information. If tree species is not a birch Betula sp., cherry (Prunus sp). or Sorbus sp.: 0 – 20 years (Young); 21 - 150 years (Intermediate); and >150 years (Old). For birch, cherry or Sorbus species; 0 - 20 years = Young; 21 - 60 years = Intermediate; >60 years = Old. A recognisable age-class should be a consistent recognisable layer across the woodland or stand being assessed. Presence of a few saplings would not indicate that the woodland has an 'age-class' of young trees.	Three age classes present.	Two age classes present.	One age class present.
B. Wild, domestic and feral herbivore damage. See EWBG method INDICATOR 2 for more information. Browsing pressure is considered to be significant where >20% of vegetation visible within each survey plot shows damage from any type of browsing pressure listed.	No significant browsing damage evident in woodland.	Evidence of significant browsing pressure is present in 40% or less of whole woodland.	Evidence of significant browsing pressure is present in 40% or more of whole woodland.
C. Invasive plant species. See EWBG method INDICATOR 3 for more information. Assessed for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, the habitat has been split into parcels accordingly. Check for the presence of all plant species listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended), particularly the following invasive non-native species: American Skunk Cabbage, Indian Balsam, Japanese Knotweed, Cherry Laurel, Shallon, Snowberry, Variegated Yellow-archangel, Rhododendron and Tree-of-heaven.	No invasive species present in woodland.	Rhododendron or cherry laurel not present, other invasive species <10% cover.	Rhododendron or cherry laurel present, or other invasive species >10% cover.
D. Number of native tree species. See EWBG method INDICATOR 4 and Table 2 for more information. The number of different native tree or shrub species including young trees and shrubs. A list of commonly found native tree and shrub species is provided in Table 2. Not all species listed are native to all parts of the	Five or more native tree or shrub species found	Three to four native tree or shrub species found	None to two native tree or shrub species across woodland parcel.



Indicator	Good	Moderate	Poor
	(3 points)	(2 points)	(1 point)
UK. Note a list of commonly found non-native tree species are also included and should be recorded if present.	across woodland parcel.	across woodland parcel.	
E. Cover of native tree and shrub species. See EWBG method INDICATOR 5 and for more information. The abundance of native tree species in upper (>5 m) and understorey (up to 5 m) layers including young trees and shrubs.	> 80% of canopy trees and >80% of understory shrubs are native.	50-80% of canopy trees and 50-80% of understory shrubs are native.	< 50% of canopy trees and <50% of understory shrubs are native.
F. Open space within woodland. See EWBG method INDICATOR 6 for more information. Open space within woodland in this context is temporary open space in which trees can be expected to regenerate (for example, glades, rides, footpaths, areas of clear-fell). This differs from permanent open space where tree regeneration is not possible or desirable (for example, tarmac, buildings, rivers). Area is at least 10 m wide with less than 20% covered by shrubs or trees. Automatically 'Good' if woodland is less than 10 hectares, given the increased ratio of edge habitat to woodland where the woodland is less than 10ha. G. Woodland regeneration.	10 - 20% of woodland has areas of temporary open space. Unless woodland is <10ha, in which case 0 - 20% temporary open space is permitted. All three classes	21- 40% of woodland has areas of temporary open space ⁶ .	<10% or >40% of woodland has areas of temporary open space ⁶ . But if woodland <10ha has <10% temporary open space, please see Good category. No classes or
See EWBG method INDICATOR 8 for more information. This indicator measures regeneration potential of the woodland by considering three classes: seedlings; saplings; and young trees of 4-7 cm DBH. All three classes would fall in the 'young' category of the 'age distribution of trees' indicator, but the regeneration indicator gathers additional information by considering regeneration potential - if seedlings, saplings and young trees are all present that means natural regeneration processes are happening.	present in woodland; trees 4- 7cm DBH, saplings and seedlings or advanced coppice regrowth.	only present in woodland.	coppice regrowth present in woodland.
H. Tree health. See EWBG method INDICATOR 9 for more information and Table 3 for a list of diseases and pests and their risk level.	Tree mortality less than 10%, no pests or diseases and no crown dieback.	11% to 25% mortality and/or crown dieback or low risk pest or disease present.	Greater than 25% tree mortality and or any high-risk pest or disease present.
I. Vegetation and ground flora. See EWBG method INDICATOR 10 directing to NVC key for more information. The 'UKHab to NVC translation table' in the UK Habitat Classification resources may also be useful to assess this.	Recognisable NVC plant community ¹⁰ at ground layer present, strongly characterised by ancient woodland flora specialists.	Recognisable woodland NVC plant community ¹⁰ at ground layer present.	No recognisable woodland NVC plant community ¹⁰ at ground layer present.



Indicator	Good	Moderate	Poor
	(3 points)	(2 points)	(1 point)
J. Woodland vertical structure. This criterion looks at structural diversity and is useful to understand in conjunction with the age of trees in a woodland. Vertical structure is defined as the number of canopy storeys present. Possible storey values are: 1) Upper; 2) Complex: recorded when the stand is composed of multiple tree heights that cannot easily be stratified into broad height bands (such as upper, middle or lower); 3) Middle; 4) Lower; and 5) Shrub layer. There might be no storeys where the woodland has been felled. See EWBG INDICATOR 11 for more information.	Three or more storeys across all survey plots or a complex woodland.	Two storeys across all survey plots.	One or less storey across all survey plots.
K. Veteran trees. See EWBG method INDICATOR 12 for more information. See gov.uk standing advice on ancient and veteran trees. Available from: Keepers of time: ancient and native woodland and trees policy in England (publishing.service.gov.uk) and: <i>Ancient woodland, ancient trees and veteran trees: advice for making planning decisions - GOV.UK</i> (www.gov.uk).	Two or more veteran trees per hectare.	One veteran tree per hectare.	No veteran trees present in woodland.
L. Amount of deadwood. See EWBG method INDICATOR 13 for more information. This includes logs, large dead branches on the forest floor and stumps (<1 m tall) >20 cm diameter at narrowest point and >50 cm long. Also includes standing dead trees (>1 m tall) and also deadwood on standing live trees. Diameter is measured at the narrowest point on the stem. Minimum diameter of 20 cm.	50% of all survey plots within the woodland parcel have standing deadwood, large dead branches/ stems, branch stubs and stumps or an abundance of small cavities.	Between 25% and 50% of all survey plots within the woodland parcel have standing deadwood, large dead branches/ stems, branch stubs and stumps or an abundance of small cavities.	Less than 25% of all survey plots within the woodland parcel have standing deadwood, large dead branches/ stems, stubs and stumps or an abundance of small cavities.
M. Woodland disturbance. See EWBG method INDICATOR 15 for more information. Examples of disturbance are: significant nutrient enrichment; soil compaction from trampling, machinery, animal poaching or litter.	No nutrient enrichment or damaged ground evident.	Less than 1 hectare in total of nutrient enrichment across woodland area and/or less than 20% of woodland area has damaged ground.	1 hectare or more of nutrient enrichment and / or more than 20% of woodland area has damaged ground.



Table 7.9: Condition Assessments for Habitat J: New Trees

Tree Reference	Species	Α	В	С	D	E	F	Size	Total No. of	Condition
								Category	Criterion Passed	Assessment Result
	Various native									
Habitat J: New trees (46)	species	Yes	Yes	No	Yes	No	Yes	Small	4	Moderate
									Good	: Passes 5 or 6 criteria
									Moderate	e: Passes 3 or 4 criteria
									Poor: Pa	sses 2 or fewer criteria

Condition Assessment Criteria

- A. The tree is a native species (or more than 70% within the block are native species)
- **B.** Tree canopy is predominantly continuous with gaps in canopy cover making up less than 10% of total area and no individual gap being more than 5 metres wide. Individual trees automatically pass this criterion.
- C. The tree is mature (or more than 50% within the block are mature). See gov.uk standing advice on ancient and veteran trees, available from:

Keepers of time: ancient and native woodland and trees policy in England (publishing.service.gov.uk) and Ancient woodland, ancient trees and veteran trees: advice for making planning decisions (www.gov.uk).

Enhancement of this habitat type is only possible by improving the habitat so that it meets Criteria B, D and F. It is not possible or appropriate to enhance individual trees through meeting just one of those Criteria, nor by meeting Criteria A, C or E.

- **D.** There is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity). And there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height.
- **E.** Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.
- **F.** More than 20% of the tree canopy area is oversailing vegetation beneath



Table 7.10: Condition Assessments for Habitat K: New Hedgerows

Habitat Reference	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	Total No. of	Total No.	of Condition
											Group Failures	Criteria	Assessment
												Failures	Result
Habitat K: New native hedgerow	Yes	No	Yes	Yes	No	No	Yes	Yes	-	-	1	3	Moderate
	Hedgerows Without Trees											Hedge	rows With Trees
Good: No more than 2 failures in	Good: No more than 2 failures in total; AND no more than 1 in any functional						Good: No more than 2 failures in total; AND no more than 1 failure in any						
group.						oup.	functional group.						
Moderate: No more than 4 failures in total; AND does not fail both attributes in						es in	Moderate: No more than 5 failures in total; AND does not fail both attributes in						
more than one functional group						oup	more than one functional group						
(e.g. fails attributes A1, A2, B1 & C2 = Moderate condition).						on).	(e.g. fails attributes A1, A2, B1, C2 & E1 = Moderate condition).						
Poor: Fails a total of more than 4 attributes; OR fails both attributes in more than					:han	Poor: Fails a total of more than 5 attributes; OR fails both attributes in more than							
one functional group						oup	one functional grou				functional group		
(e.g. fails attributes A1, A2, B1 & B2 = Poor condition).						on).				(e.g.	fails attributes A1,	, A2, B1 & B2 =	Poor condition).

Condition Assessment Criteria	
A1. Height:	A2. Width:
>1.5m average along length	>1.5m average along length.
The average height of woody growth estimated from base of stem to the top of shoots, excluding any bank beneath the hedgerow, any gaps or isolated trees.	The average width of woody growth estimated at the widest point of the canopy, excluding gaps and isolated trees.
Newly laid or coppiced hedgerows are indicative of good management and pass this criterion for up to a maximum of 4 years (if undertaken according to good practice). A newly	Outgrowths (e.g. Blackthorn suckers) are only included in the width estimate when they >0.5 m in height.
planted hedgerow does not pass this criterion (unless it is > 1.5 m height).	Laid, coppiced, cut and newly planted hedgerows are indicative of good management and pass this criterion for up to a maximum of 4 years (if undertaken according to good practice)
B1. Gap - hedge base.	B2. Gap - hedge canopy continuity.
Gap between ground and base of canopy is less than 0.5m, for more than 90% of length (unless line of trees).	Gaps make up less than 10% of total length and no canopy gaps are greater than 5m. Gates and access points are not subject to the greater than 5m criterion.
This is the vertical 'gappiness' of the woody component of the hedgerow, and its distance from the ground to the lowest leafy growth. Certain exceptions to this criterion are	This is the horizontal 'gappiness' of the woody component of the hedgerow. Gaps are complete breaks in the woody canopy (no matter how small).
acceptable (e.g. a Hazel dominated hedgerow or where the hedgerow is affected by shading from other vegetation such as woodland, see page 65 of <i>Hedgerow Survey Handbook</i> .	Access points and gates contribute to the overall 'gappiness', but are not subject to the greater than 5 m criterion (as this is the typical size of a gate).
C1. Undisturbed ground and perennial vegetation.	C2. Nutrient-enriched perennial vegetation.
More than 1m width ground with perennial herbaceous vegetation for more than 90% of the hedgerow length, as measured from outer edge of the hedgerow, and is present on at	Plant species indicative of nutrient enrichment of soils do not dominate more than 20% cover of the ground area of undisturbed ground.
least 1 side of the hedgerow.	The indicator species used are nettles (<i>Urtica</i> spp.), Cleavers (<i>Galium aparine</i>) and docks
This is the level of disturbance (excluding wildlife disturbance) at the base of the hedge.	(Rumex spp.). Their presence, either singly or together, should not exceed the 20% cover
Undisturbed ground should be present for at least 90% of the hedgerow length, greater than	threshold.
1m in width and must be present along at least one side of the hedge. This criterion	
recognises the value of the hedge base as a boundary habitat with the capacity to support	



Condition Assessment Criteria	
a wide range of species. Cultivation, heavily trodden footpaths, poached ground etc. can	
limit available habitat niches.	
D1. Invasive and neophyte species.	D2. Current damage.
More than 90% of the hedgerow and undisturbed ground is free of invasive non-native plant	More than 90% of the hedgerow or undisturbed ground is free of damaged caused by human
species (including those listed on Schedule 9 of WCA) and recently introduced species.	activities.
Recently introduced species refer to plants that have naturalised in the UK since AD 1500	This criterion addresses damaging activities that may have led to or lead to deterioration in
(neophytes). Archaeophytes count as natives. For information on archaeophytes and	other attributes.
neophytes see the JNCC website, as well as the BSBI website where the 'Online Atlas of the	This could include evidence of pollution, piles of manure or rubble, or inappropriate
British and Irish Flora' contains an up-to-date list of the status of species. For information	management practices (e.g. excessive hedge cutting).
on invasive non-native species see the GB Non-Native Secretariat website.	
Additional group – ONLY if trees are present	
E1. Tree Class	E1. Tree health
There is more than one age-class (or morphology) of tree present (for example: young,	At least 95% of hedgerow trees are in a healthy condition (excluding veteran features
mature, veteran and or ancient8), and there is on average at least one mature, ancient or	valuable for wildlife). There is little or no evidence of an adverse impact on tree health by
veteran tree present per 20 to 50m of hedgerow. This criterion addresses if there are a range	damage from livestock or wild animals, pests or diseases, or human activity.
of age-classes or morphologies which allow for replacement of trees and provide opportunities for different species.	This criterion identifies if the trees are subject to damage which compromises the survival and health of the individual specimens.



7.3 Figures

Figure 1: Aerial Image of the Site and its Surroundings





Figure 2: UKHab Plan: Baseline Habitats

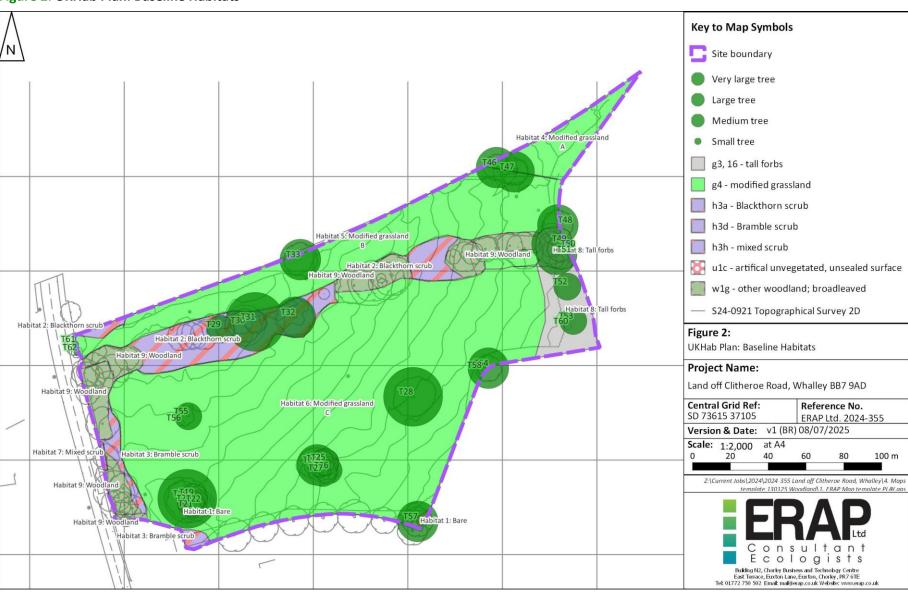




Figure 3: UKHab Plan: Post-intervention Habitats

