



- Red Line Boundary
- Proposed Individual tree Condition
  - Moderate
- Proposed Individual Distinctiveness
  - Medium
- Proposed Hedgerow Condition
  - Good
- Proposed Hedgerow Distinctiveness
  - Medium
- Watercourse Proposed Condition
  - Moderate
  - Poor
- Watercourse Proposed Distinctiveness
  - Medium
- Proposed Habitat Condition
  - Good
  - Moderate
  - Poor
  - Condition Assessment N/A
- Proposed Habitat Distinctiveness
  - V.High
  - Medium
  - Low
  - V.Low

date: 30/01/25 drwn/chkd: ET/IH

client: **Hargreaves Land**

project: **Lincolnshire Lakes, Scunthorpe**

title: **PROPOSED HABITAT CONDITION AND DISTINCTIVENESS PLAN - BG DETAIL** scale: 1:2,000@ A3

number: **FIGURE 7** rev: -

**APPENDIX A: BASELINE HABITAT CONDITION ASSESSMENTS**

Table 4: Medium and V high distinctiveness grassland condition assessment.

Condition Criteria	ONG1	ONG2	Lowland Acid Grassland
The parcel represents a good example of its 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). <sup>1</sup> Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only.	Fail	Fail	Fail
Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	Fail	Fail	Fail
Cover of bare ground is between 1% and 5%, including localised areas, for example, rabbit warrens.	Fail	Pass	Pass
Cover of bracken <i>Pteridium aquilinum</i> is less than 20% and cover of scrub (including bramble <i>Rubus fruticosus</i> agg.) is less than 5%.	Pass	Fail	Pass
Combined cover of species indicative of sub-optimal condition <sup>2</sup> 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. If any invasive non-native plant species <sup>3</sup> (as listed on Schedule 9 of WCA4) are present, this criterion is automatically failed.	Fail	Pass	Pass
There are 10 or more vascular plant species per m <sup>2</sup> present, including forbs that are characteristic of the habitat type (species referenced in Footnote 2 and 4 cannot contribute towards this count). N.B. this criterion is essential for achieving Good condition for non-acid grassland types only.	Fail	Fail	Fail
Grassland Type	Non-Acid	Non-Acid	Acid
<b>Total Passes</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Condition</b>	<b>Poor</b>	<b>Poor</b>	<b>Moderate</b>

Acid grassland types (Result out of 5 criteria)	
Passes 5 criteria	Good (3)
Passes 3 or 4 criteria	Moderate (2)
Passes 2 or fewer criteria	Poor (1)
Non-acid grassland types (Result out of 6 criteria)	
Passes 5 or 6 criteria, including essential criterion A and additional criterion	Good (3)

Acid grassland types (Result out of 5 criteria)	
Passes 3 - 5 criteria, including essential criterion A.	Moderate (2)
Passes 2 or fewer criteria; OR Passes 3 or 4 criteria excluding criterion A and F.	Poor (1)

**Table 5: Modified grassland condition assessment.**

	Condition Assessment Criteria	Assessment	
		MG1	MG2
A	There are 6-8 vascular plant species per m <sup>2</sup> present, including at least 2 forbs. Note - this criterion is essential for achieving Moderate or Good condition.	Fail	Fail
B	Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for vertebrates and invertebrates to live and breed.	Fail	Fail
C	Some scattered scrub (including bramble <i>Rubus fruticosus</i> agg.) may be present, but scrub accounts for less than 20% of total grassland area. Note - patches of scrub with continuous (more than 90%) cover should be classified as the relevant scrub habitat type.	Pass	Pass
D	Physical damage is 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.	Fail	Fail
E	Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens)	Fail	Fail
F	Cover of bracken <i>Pteridium aquilinum</i> is less than 20%.	Pass	Pass
G	There is an absence of invasive non-native plant species (as listed on Schedule 9 of WCA4).	Pass	Pass
	Total Passes	2	3
	Condition	Poor	Poor

Condition Assessment Result (out of 7 criteria)	Condition Assessment Score
Passes 6 or 7 criteria including passing essential criterion A	Good (3)
Passes 4 or 5 criteria including passing essential criterion A	Moderate (2)
Passes 3 or fewer criteria; OR Passes 4 - 6 criteria (excluding criterion A)	Poor (1)

**Table 6: Ditches condition assessment**

Condition Criteria	3.1a	3.1b	3.2	3.6	3.7	4.1
The ditch is of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution.	Pass	Pass	Fail	Fail	Fail	Fail
A range of emergent, submerged and floating leaved plants are present. As a guide >10 species of emergent, floating or submerged plants in a 20 m ditch length.	Fail	Fail	Fail	Fail	Fail	Fail
There is less than 10% cover of filamentous algae and/or duckweed (these are signs of eutrophication).	Pass	Fail	Pass	Pass	Pass	Pass
A fringe of marginal vegetation is present along more than 75% of the ditch.	Pass	Pass	Pass	Pass	Fail	Pass
Physical damage evident along less than 5% of the ditch, such as excessive poaching, damage from machinery use or storage, or any other damaging management activities.	Pass	Pass	Pass	Pass	Pass	Fail
Sufficient water levels are maintained: as a guide a minimum summer depth of approximately 50 cm in minor ditches and 1 m in main drains.	Pass	Pass	Fail	Fail	Fail	Pass
Less than 10% of the ditch is heavily shaded.	Pass	Pass	Pass	Pass	Fail	Fail
There is an absence of non-native plant and animal species.	Pass	Pass	Pass	Pass	Pass	Pass
<b>Total Passes</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>4</b>
<b>Condition</b>	<b>Moderate</b>	<b>Moderate</b>	<b>Poor</b>	<b>Poor</b>	<b>Poor</b>	<b>Poor</b>

Condition Assessment Result (out of 8 criteria)	Condition Assessment Score
Passes 8 criteria	Good (3)
Passes 6 or 7 criteria	Moderate (2)
Passes 5 or fewer criteria	Poor (1)

**Table 7: Hedgerows condition assessment.**

	Criteria	Condition Criteria	H1	H2
A1.	Height	>1.5 m average along length	Pass	Pass
A2.	Width	>1.5 m average along length	Pass	Pass
B1.	Gap - hedge base	Gap between ground and base of canopy <0.5 m for >90% of length	Pass	Pass
B2.	Gap - hedge canopy continuity	Gaps make up <10% of total length; and No canopy gaps >5 m	Fail	Fail
C1.	Undisturbed ground and perennial vegetation	>1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length: · Measured from outer edge of hedgerow; and · Is present on one side of the hedgerow (at least).	Fail	Fail
C2.	Nutrient-enriched perennial vegetation	Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	Pass	Pass
D1.	Invasive and neophyte species	>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA <sup>3</sup> ) and recently introduced species.	Pass	Pass
D2.	Current damage	>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	Pass	Pass
		Condition	Good	Good

Good	No more than 2 failures in total; AND No more than 1 failure in any functional group.
Moderate	No more than 4 failures in total; AND <u>Does not fail both attributes</u> in more than one functional group (for example, fails attributes A1, A2, B1 and C2 = Moderate condition).
Poor	Fails a total of more than 4 attributes; OR <u>Fails both attributes</u> in more than one functional group (for example, fails attributes A1, A2, B1 and B2 = Poor condition).

**APPENDIX B: SPECIES LISTS****Medium and High Distinctiveness Grassland**

Common Name	Latin Name	ONG 1	ONG 2	LAG
A willowherb	<i>Epilobium sp.</i>		r	
Annual meadow-grass	<i>Poa annua</i>	r		
Black medick	<i>Medicago lupulina</i>	r		
Bristly oxtongue	<i>Helminthotheca echioides</i>	o-f		
Broad-leaved Dock	<i>Rumex obtusifolius</i>	ro	r	
Canadian fleabane	<i>Conyza canadensis</i>		r	
Cat's-ear	<i>Hypochaeris radicata</i>	r	o	
Cleavers	<i>Galium aparine</i>		r	
Cock's-foot	<i>Dactylis glomerata</i>	ro	of	
Colt's-foot	<i>Tussilago farfara</i>	f		
Common bent	<i>Agrostis capillaris</i>			o
Common couch	<i>Elytrigia repens</i>	ro		
Common knapweed	<i>Centaurea nigra</i>	r	r	
Common mouse-ear	<i>Cerastium fontanum</i>		o	
Common Nettle	<i>Urtica dioica</i>	ro	r	
Common Ragwort	<i>Jacobaea vulgaris</i>	f-la	o	r
Common reed	<i>Phragmites australis</i>	r	r	
Common stork's-bill	<i>Erodium cicutarium</i>			r
Creeping bent	<i>Agrostis stolonifera</i>	lo		o
Creeping cinquefoil	<i>Potentilla reptans</i>	r		
Creeping Thistle	<i>Cirsium arvense</i>	a	ro	
Crested dog's-tail	<i>Cynosurus cristatus</i>	r		
Dandelion	<i>Taraxacum officinale agg.</i>	o	f	
Dove's-foot crane's-bill	<i>Geranium molle</i>		r	
False oat-grass	<i>Arrhenatherum elatius</i>	fa	f-a	
Greater burdock	<i>Arctium lappa</i>	r		
Ground-ivy	<i>Glechoma hederacea</i>		lf	
Hairy tare	<i>Ervilla hirsuta</i>	r		
Hard rush	<i>Juncus inflexus</i>	r		

Common Name	Latin Name	ONG 1	ONG 2	LAG
Heath speedwell [Indet.]	<i>Veronica officinalis</i> [Indet.]			r-o
Heath wood-rush	<i>Luzula multiflora</i>			o
Heather	<i>Calluna vulgaris</i>		r	
Hedge bedstraw	<i>Galium album</i>	r		
Hemlock	<i>Conium maculatum</i>	r		
Hoary willowherb	<i>Epilobium parviflorum</i>	a		
Mugwort	<i>Artemisia vulgaris</i>	f	r	
Perennial Rye-grass	<i>Lolium perenne</i>	lf		
Red fescue	<i>Festuca rubra</i>	lo		
Ribwort plantain	<i>Plantago lanceolata</i>	r	r	
Rough meadow- grass	<i>Poa trivialis</i>	r-la	r-la	a
Sand sedge	<i>Carex arenaria</i>		r-la	a
Scentless mayweed	<i>Tripleurospermum inodorum</i>	r		
Selfheal	<i>Prunella vulgaris</i>	r-la	r	
Sheep's sorrel	<i>Rumex acetosella</i>		r-o	o-lf
Spear Thistle	<i>Cirsium vulgare</i>	f-la		
White Clover	<i>Trifolium repens</i>	r		
Wild teasel	<i>Dipsacus fullonum</i>		lo	
Wood horsetail	<i>Equisetum sylvaticum</i>		lo	
Yarrow	<i>Achillea millefolium</i>	r	r-lf	
Yorkshire-fog	<i>Holcus lanatus</i>	r-la	o-f	f

### Modified Grassland

Common Name	Latin Name	MG 1
Bracken	-	lf
Broad-leaved Dock	<i>Rumex obtusifolius</i>	r
Cleavers	-	r
Cock's-foot	<i>Dactylis glomerata</i>	la
Common mouse-ear	-	r
Common Nettle	<i>Urtica dioica</i>	lf

Common Name	Latin Name	MG 1
Common Ragwort	<i>Jacobaea vulgaris</i>	r
Dandelion	-	r
False oat-grass	<i>Arrhenatherum elatius</i>	r
Perennial Rye-grass	<i>Lolium perenne</i>	a
Red fescue	<i>Festuca rubra</i>	lf
Smooth meadow-grass	<i>Poa pratensis</i>	r
Spear Thistle	<i>Cirsium vulgare</i>	r
Yorkshire-fog	<i>Holcus lanatus</i>	lf

### Scrub

Common Name	Scientific Name	
Bramble	<i>Rubus fruticosus agg.</i>	d
Goat willow	<i>Salix caprea</i>	o
Grey willow	<i>Salix cinerea</i>	o
Silver birch	<i>Betula pendula</i>	r
Dog rose	<i>Rosa canina</i>	r
Wild privet	<i>Ligustrum vulgare</i>	r
Hawthorn	<i>Crataegus monogyna</i>	r
<b>Ground Flora</b>		
Common nettle	<i>Urtica dioica</i>	f
Hedgerow crane's-bill	<i>Geranium pyrenaicum</i>	lf
Cow parsley	<i>Anthriscus sylvestris</i>	o
Cleavers	<i>Galium aparine</i>	r
Common hogweed	<i>Heracleum sphondylium</i>	r
Mugwort	<i>Artemisia vulgaris</i>	o
Bracken	<i>Pteridium aquilinum</i>	r
Spear thistle	<i>Cirsium vulgare</i>	r
Cock's-foot	<i>Dactylis glomerata</i>	f
Perennial rye-grass	<i>Lolium perenne</i>	f
False oat-grass	<i>Arrhenatherum elatius</i>	o
moss	-	o

**Ditches**

Common Name	Scientific Name	3.1a	3.1b	3,2	3.6	3.7 - (mostly dry)	4.1
Channel vegetation							
Common duckweed	<i>Lemna minor</i>				o	r	
Common reed	<i>Phragmites australis</i>	f-a	la		o	lf	f
Great willowherb	<i>Epilobium hirsutum</i>						
A water-starwort	<i>Callitriche sp.</i>	r					la
Water-cress	<i>Nasturtium officinale</i>	o	o				r
Branched bur-reed	<i>Sparganium erectum</i>	r	f-a				r
Reed sweet-grass	<i>Glyceria maxima</i>	f-a	r-la	f-a	o	lo	
Common nettle	<i>Urtica dioica</i>	o	o	o			
Reed canary-grass	<i>Phalaris arundinacea</i>		o	f			
Hedge bindweed	<i>Calystegia sepium</i>			f			
Bulrush	<i>Typha latifolia</i>			la	o	o	
Reed canary-grass	<i>Phalaris arundinacea</i>			f			
Yellow iris	<i>Iris pseudacorus</i>			r-o			
Marginal/Bankside Vegetation							
Common reed	<i>Phragmites australis</i>	O - f				o-f	la
Cock's-foot	<i>Dactylis glomerata</i>	f	o		f		a
False oat-grass	<i>Arrhenatherum elatius</i>	o	O - f	o	o		d
Common nettle	<i>Urtica dioica</i>	o	o	o		o	f-la
Hedge bindweed	<i>Calystegia sepium</i>	o					
Hemlock	<i>Conium maculatum</i>	o	o	o			
Bitter nightshade	<i>Solanum dulcamar</i>					o	
Common couch	<i>Elytrigia repens</i>	o					
Water figwort	<i>Scrophularia auriculata</i>		r				
Wild angelica	<i>Angelica sylvestris</i>		r	o		o	
Curled dock	<i>Rumex crispus</i>		o		o		o
Reed sweet-grass	<i>Glyceria maxima</i>		o		f		
Great willowherb	<i>Epilobium hirsutum</i>		o				
Burdock	<i>Arctium lappa</i>			o	r		

Common Name	Scientific Name	3.1a	3.1b	3.2	3.6	3.7 - (mostly dry)	4.1
Rosebay willowherb	<i>Chamaenerion angustifolium</i>			o			
Bracken	<i>Pteridium aquilinum</i>					o	
Common valerian	<i>Valeriana officinalis</i>			r-o			
Hedge woundwort	<i>Stachys sylvatica</i>			r			
Yorkshire-fog	<i>Holcus lanatus</i>				f		o
Cow parsley	<i>Anthriscus sylvestris</i>						o
Creeping thistle	<i>Cirsium arvense</i>			o			r
Spear thistle	<i>Cirsium vulgare</i>						r
Cleavers	<i>Galium aparine</i>						f-la
Red dead-nettle	<i>Lamium purpureum</i>						o
Common hogweed	<i>Heracleum sphondylium</i>						r
Ribwort plantain	<i>Plantago lanceolata</i>						r
Ground-ivy	<i>Glechoma hederacea</i>						r
Yarrow	<i>Achillea millefolium</i>						r
Soft rush	<i>Juncus effusus</i>				f		

### Hedgerows

Common Name	Scientific Name	H1	H2
Hawthorn	<i>Crataegus monogyna</i>	d	d
Elder	<i>Sambucus nigra</i>	r	
Apple	<i>Malus domestica.</i>	r	

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