



# Hedgerow Field Survey Form - Defra Project BD2117

Survey to be carried out on **WHOLE HEDGE** except Sections 14 & 15 (30m section only).

Date:	Surveyor(s):	Side Surveyed - Both? YES / NO			
Hedgerow No.	Grid Ref:	Side A	N E S W	Side B	N E S W

## 1 - NAME OF LANDOWNER / FARM/ COUNTY

Name: \_\_\_\_\_ Farm: \_\_\_\_\_ County: \_\_\_\_\_

<b>2 - HEDGEROW TYPE</b>	3a - Shrubby hedgerow	3b - Line of trees	3c - Shrubby with line of trees
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**3 - LENGTH (m)** - between nodes or intersections with other hedgerows, to nearest 5m \_\_\_\_\_ m

<b>4 - CONNECTIONS</b> - total no. of other hedgerows connected to each end of the hedgerow	End 1	End 2	Total
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## 5 - ADJACENT LAND USE

		Side A	Side B			Side A	Side B
5a - Arable	Arable Crop			5d - Road / Route	Major Road		
	Uncropped margin				Minor Road		
5b - Grass	Improved			5e - Water	Track (unsurfaced)		
	Semi-improved				Footpath		
	Unimproved				Rail		
5c - Woodland	Young			5e - Water	Canal		
	Semi-mature				River		
	Mature				Stream		
5f - Other				Lake/Pond			

## 6 - ASSOCIATED FEATURES

		Side A	Side B			Side A	Side B
6a - Bank - Height (in metres) to nearest 25cm				6d - Ditch - external - dry			
6b - Ave. herb vegetation ht. to nearest 5cm				6e - Ditch - external - wet			
6c - Fence				6f - Ditch - internal - dry			
				6g - Ditch - Internal - wet			

## 7 - UNDISTURBED GROUND (measured from centreline of the hedgerow) - in metres & to nearest 50cm

		Side A	Side B			Side A	Side B
7a - Average width of undisturbed ground				7b - Ave width of perennial herbaceous vegetation			

N.B. mark N/A or road etc. if a road or built feature or hedge is adjacent to grassland or woodland

## 8 - NUTRIENT ENRICHMENT GROUND FLORA INDICATOR SPECIES

Estimate % cover of each species within a 2m wide band alongside the hedgerow (round up or down to nearest 5%)

8a - Nettles	Side A	Side B	8b - Cleavers	Side A	Side B	8c - Docks	Side A	Side B

## 9 - RECENTLY INTRODUCED, NON-NATIVE SPECIES

### 9a - RECENTLY INTRODUCED, NON-NATIVE GROUND FLORA SPECIES

		Species	Side A	Side B
% cover of introduced species in the hedge bottom (to nearest 5% or enter just the name if <5%)				

### 9b - RECENTLY INTRODUCED, NON-NATIVE WOODY SPECIES

		Species	Side A	Side B
% cover of introduced species in the shrub layer (to nearest 5% or enter just the name if <5%)				

### 10 - HEDGEROW SHAPE

What shape is the hedgerow? Circle diagram of cross-section that most closely resembles hedgerow.

a) Trimmed & dense	b) Intensively managed	c) Untrimmed	d) Tall & leggy	e) Untrimmed + outgrowth	f) Recently coppiced	g) Recently laid	h) Other - Sketch

### 11 - DIMENSIONS (in metres, to nearest 25cm)

11a - Average height, excluding bank		11b - Average width at widest point of canopy excluding bank	
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### 12 - INTEGRITY - Continuity and height of canopy along hedgerow

12a - % gaps, nearest 5%		12b - any gaps more than 5m? Y / N		12c - Ave ht. of base of canopy (m) to nearest 25cm	
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### 13 - ISOLATED HEDGEROW TREES

Species	DBH (cm)	Species	DBH (cm)

### 14 - WOODY SPECIES in 30 metre survey section only

**NB Add any others, including non-natives**

NB. 30m section selected by measuring 30m from one of the hedgerow ends and taking the next 30m length as the survey section

Species	Shrubs (% cover)	Trees (No.)	Species	Shrubs (% cover)	Trees (No.)
Apple, crab ( <i>Malus sylvestris</i> )	%		Rose, dog- ( <i>Rosa canina</i> )	%	
Ash ( <i>Fraxinus excelsior</i> )	%		Rose, field- ( <i>Rosa arvensis</i> )	%	
Beech ( <i>Fagus sylvatica</i> )	%		Rose species - unidentified ( <i>Rosa</i> sp.)	%	
Blackthorn ( <i>Prunus spinosa</i> )	%		Spindle ( <i>Euonymus europaeus</i> )	%	
Buckthorn ( <i>Rhamnus cathartica</i> )	%		Sycamore ( <i>Acer pseudoplatanus</i> )	%	
Dogwood ( <i>Cornus sanguinea</i> )	%		Wayfaring-tree ( <i>Viburnum lantana</i> )	%	
Elder ( <i>Sambucus nigra</i> )	%		Willow, grey ( <i>Salix cinerea</i> )	%	
Elm, English ( <i>Ulmus procera</i> )	%		Willow, goat ( <i>Salix caprea</i> )	%	
Elm species - unidentified ( <i>Ulmus</i> sp.)	%		Willow species - unidentified ( <i>Salix</i> sp.)	%	
Gorse ( <i>Ulex europaeus</i> )	%		Other sp. 1:	%	
Guelder rose ( <i>Viburnum opulus</i> )	%		Other sp. 2:	%	
Hawthorn ( <i>Crataegus</i> sp.)	%		Other sp. 3:	%	
Hazel ( <i>Corylus avellana</i> )	%		<b>Climbers</b>		
Holly ( <i>Ilex aquifolium</i> )	%		Bramble ( <i>Rubus fruticosus</i> agg.)	%	
Maple, field ( <i>Acer campestre</i> )	%		Honeysuckle ( <i>Lonicera periclymenum</i> )	%	
Oak, pedunculate ( <i>Quercus robur</i> )	%		Ivy ( <i>Hedera helix</i> )	%	
Pear ( <i>Pyrus communis</i> )	%		Travellers-joy ( <i>Clematis vitalba</i> )	%	
Plum, wild ( <i>Prunus domestica</i> )	%		Other climbers:	%	
Privet, wild ( <i>Ligustrum vulgare</i> )	%		<b>% Gaps / access openings</b>	<b>%</b>	

### 15 - GROUND FLORA SPECIES in 30 metre survey section only

Please tick to indicate which, if any, of the ancient woodland indicator species below are present. Add any other AWI spp. In empty boxes.

Barren strawberry ( <i>Potentilla sterilis</i> )		Wood sorrel ( <i>Oxalis acetosella</i> )		Wood-rush ( <i>Luzula</i> sp.)	
Bluebell ( <i>Hyacinthoides non-scripta</i> )		Yellow archangel ( <i>Lamiastrum gal.</i> )		Hard fern ( <i>Blechnum spicant</i> )	
Dog's mercury ( <i>Mercurialis perennis</i> )		Yellow pimpernel ( <i>Lysimachia nem.</i> )		Shield-fern ( <i>Polystichum</i> sp.)	
Primrose ( <i>Primula vulgaris</i> )					
Wood anemone ( <i>Anemone nemorosa</i> )					

**16 - HEDGEROW MANAGEMENT SCALE**

For each of the five hedges surveyed at each farm, enter the most appropriate score from the scale below.

<b>Hedge No</b>					
<b>Management Score</b>					

Farm Name:

County:

- 1 Heavily over-trimmed with many gaps and sparse stems, their bases gnarled or rotting. May be invaded by elder, sycamore, or other invasive species.
- 2 Over-trimmed, infrequent stems too far apart to be 'let up' for laying, perhaps evidence of laying in the past. Hard knuckle at trim line, shrubs developing mushroom shaped growth form.
- 3 Over-trimmed, frequent stems. Stems still healthy but require more height. Hard knuckle may be starting to form at trim line.
- 4 Recently layed, coppiced or planted hedgerow.
- 5 Healthy, dense hedgerow with frequent stems and more than 2m in height.
- 6 a) Hedgerow more than 3m high and trimmed on rotation.  
b) May also be non-intervention hedge, having intentionally been left untrimmed for several years.
- 7 Hedgerow with frequent healthy stems more than 4m high.
- 8 Mature, tall hedgerow with spreading tops. Stems still healthy (although they may be infrequent) but too large (more than 18cm in diameter) for laying.
- 9 Over-mature hedgerow with tops dying back, collapse possible. Perhaps becoming dominated by tree species such as oak, ash or sycamore.
- 10 Hedge developed into line of trees.

**NOTES:**

Please include some general remarks about the hedgerows across the farm as a whole e.g. condition, current management, etc.