

**Black-tailed godwit**

*Limosa limosa*

<b>Main Occurrence</b>	Year-round
<b>Breeding Period</b>	Apr-Jul
<b>Summer Season</b>	Apr-Sep
<b>Winter Season</b>	Oct-Mar

<b>Breeding habitat</b>	Wet meadows and coastal grazing marshes
<b>Passage habitat</b>	n/a
<b>Wintering habitat</b>	Estuaries, inland lakes and marsh

**Breeding (summer) season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Grassland - marsh/marshy	Landform	Pools, ditches or channels mostly with shallow gradients for easy access by chicks (feeding)	Most (>75% by area) water features with shallow slopes (<10%) along (>30% length/perimeter)	RSPB/EN/ITE 1997; Sutherland & Hill 1995; [estimated, Just Ecology]	EN COs
Grassland - marsh/marshy	Food availability	Abundance of soil and ground-surface invertebrates	Average biomass > [xxx], including e.g. earthworm, leatherjacket, chironomids	Cramp & Simmons 1983; Hutchinson & O'Halloran 1994; Green et al. 1987	Specialist
Grassland - marsh/marshy	Hydrology/flow	Wet fields with many surface pools, ditches or channels (feeding)	[20-30%] of the area soggy or flooded	Green 1986; Green & Cadbury 1987; [estimated, Just Ecology]	EN COs
Grassland - marsh/marshy	Grazing animals	Low stock densities to reduce losses to trampling (nesting)	Bovine density <1.25/ha and sheep density [<7.5/ha]	Green 1986b; [estimated, Just Ecology]	EN COs

**Breeding (summer) season**

<i>Habitat</i>	<i>Habitat Attribute</i>	<i>Preferred State</i>	<i>Monitoring Target</i>	<i>Citations</i>	<i>Task</i>
Grassland - marsh/marshy	Vegetation characteristics	Mix of short and taller, tussocky, wet vegetation (nesting)	Patches of vegetation of 20-30cm tall [frequent] amidst a shorter sward overall	Baker & Groen 1989; Newbold 1997	EN COs

**Non-breeding season**

<i>Habitat</i>	<i>Habitat Attribute</i>	<i>Preferred State</i>	<i>Monitoring Target</i>	<i>Citations</i>	<i>Task</i>
Intertidal	Food availability	Abundance of marine molluscs and worms	Average biomass > [xxx], including e.g. Macoma, Cardium, Nerereis	Goss-custard et al. 1991	Specialist

**Year-round**

<i>Habitat</i>	<i>Habitat Attribute</i>	<i>Preferred State</i>	<i>Monitoring Target</i>	<i>Citations</i>	<i>Task</i>
Any habitat	Landscape	Open areas, including large fields (anti-predator, display)	Areas with unrestricted views over [>200m] with an effective field size [>10ha]	RSPB/EN/ITE 1997; [estimated, Just Ecology]	EN COs

**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Vegetation characteristics	Open, short vegetation or bare ground predominating (roosting)	Vegetation of [ $<10\text{cm}$ ] throughout areas used for roosting	[estimated, Just Ecology]	EN COs

**Blackbird**

*Turdus merula*

<b>Main Occurrences:</b>	Year-round
<b>Breeding Period:</b>	Mar-Jul
<b>Summer Season:</b>	Apr-Sep
<b>Winter Season:</b>	Oct-Mar

<b>Breeding habitat:</b>	Dense woodland, farmland, heaths, moors, some wetlands and urban habitats
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	[as breeding season]

**Non-breeding season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Food availability	Abundance of fruit-bearing plants	[>25% cover] of one or more target species, e.g. Malus, Rosa and Ilex spp., hawthorn, orchard fruits	Witherby et al. 1938; Snow & Perrins 1998; [estimated, Just Ecology]	EN COs

**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Food availability	Abundance of ground-surface invertebrates	Average biomass > [xxx], including e.g. earthworms, beetles, flies, millipedes, spiders, ants	Witherby et al. 1938; Snow & Perrins 1998	Specialist
Woodland and scrub	Vegetation characteristics	Mix of mature, dense patches of vegetation (nesting, roosting) and very short/bare ground (feeding)	Almost impenetrable scrub/undergrowth of >2m wide [locally frequent], plus several swards of [-5cm] or bare ground	Arnold 1983; Osborne 1984; Green et al. 1994; Macdonald & Johnson 1995; Hatchwell et al. 1996; [estimated, Just Ecology]	EN COs

**Blackcap**

*Sylvia atricapilla*

<b>Main Occurrence</b>
<b>Breeding Period:</b>
<b>Summer Season:</b>
<b>Winter Season:</b>

Summer visitor

Apr-Jun

Apr-Sep

Oct-Mar

<b>Breeding habitat:</b>
<b>Passage habitat:</b>
<b>Wintering habitat:</b>

n/a

Deciduous woodland, overgrown hedges and scrubby areas in parks and gardens

[as breeding habitat], with increased use of gardens, but only small numbers winter overall

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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Woodland and scrub	Vegetation characteristics	Mix of tall trees (display) and shrub/rich ground vegetation (feeding, nesting)	Mature trees abundant and with [ $>50\%$ ] understorey and ground cover throughout	Smart & Andrews 1985; [estimated, Just Ecology]	EN COs
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**Non-breeding season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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Any habitat	Food availability	Abundance of fruit-bearing plants	[ $>25\%$ cover] of one or more target species, e.g. Rubus, elder, hawthorn, orchard fruits	Snow & Perrins 1998; [estimated, Just Ecology]	EN COs
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**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Woodland and scrub	Food availability	Abundance of canopy and shrub-layer invertebrates	Average biomass > [xxx], including e.g. beetles, caterpillars, woodlice, aphids, spiders	Snow & Perrins 1998	Specialist

Deciduous woodlands, gardens, parkland, hedgerows and conifers

<b>Breeding habitat:</b>
<b>Passage habitat:</b>
<b>Wintering habitat:</b>

Year-round

<b>Main Occurrence:</b>
<b>Breeding Period:</b>
<b>Summer Season:</b>
<b>Winter Season:</b>

**Blue tit**  
*Parus caeruleus*

n/a

[as breeding habitat]

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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Any habitat	Cavities	Abundance of small tree or wall cavities (nesting)	Suitable cavities of <30mm across, >15cm deep [locally frequent]	du Feu 1985; [estimated, Just Ecology]	EN COs
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**Non-breeding season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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Any habitat	Food availability	Abundance of fruit and seed-bearing plants	[>25% cover] of one or more target species, e.g. beech, pines, sweet chestnut, hawthorn	Witherby et al. 1938; Snow & Perrins 1998; [estimated, Just Ecology]	EN COs
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**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Food availability	Abundance of canopy invertebrates	Average biomass > [xxx], including e.g. spiders, caterpillars, beetles, flies, wasp larvae, aphids	Witherby et al. 1938; Cowie & Hinsley 1988; Snow & Perrins 1998	EN COs
Woodland and scrub	Vegetation characteristics	High frequency of mature trees (feeding) plus dense understorey (concealment)	Mixed trees including at least [30%] oak, alder or birch (>20cm diameter at breast height), and with [>50%] understorey and ground cover throughout	Barnes 1975; Peck 1989; Macdonald & Johnson 1995; [estimated, Just Ecology]	EN COs



**Brambling**

*Fringilla monifringilla*

<b>Main Occurrence:</b>	Winter visitor
<b>Breeding Period:</b>	n/a
<b>Summer Season:</b>	n/a
<b>Winter Season:</b>	Oct-Mar

<b>Breeding habitat:</b>	n/a
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	Open, birch woods and mixed birch and conifer forests

**Non-breeding season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Woodland and scrub	Food availability	Abundance of seed-bearing plants	[>25% cover] of one or more target species, e.g. beech, <i>Sambucus nigra</i> , <i>Polygonum</i> spp., <i>Triticum aestivum</i>	Witherby et al. 1938; Lack 1986; Snow & Perrins 1998; [estimated, Just Ecology]	EN COs
Woodland and scrub	Vegetation characteristics	A predominantly open canopy with frequent clearings (feeding)	[<50%] canopy cover overall with clearings [locally frequent]	Snow & Perrins 1998; [estimated, Just Ecology]	EN COs

**Brent goose**

*Branta bernicla*

<b>Main Occurrence:</b>	Winter visitor
<b>Breeding Period:</b>	n/a
<b>Summer Season:</b>	n/a
<b>Winter Season:</b>	Oct-Apr

<b>Breeding habitat:</b>	n/a
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	Estuaries, saltmarshes, improved grassland and arable

**Non-breeding season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Landscape	Open areas, including large fields (feeding, anti-predator)	Areas with unrestricted views over [ $>500m$ ] with an effective field size $>5ha$	McKay et al. 1996a&b; Vickery & Gill 1999; [estimated, Just Ecology]	EN COs
Grassland - improved	Food availability	Abundance of soft-leaved plants	[ $>25\%$ cover] of one or more target species, e.g. <i>Agrostis stolonifera</i> , <i>Lolium perenne</i>	Percival & Evans 1997; [estimated, Just Ecology]	EN COs
Grassland - improved	Vegetation characteristics	Predominantly short grassland swards (feeding)	$<10cm$ throughout areas used for feeding	Vickery et al. 1994; McKay et al. 1996a&b; Riddington et al. 1997; Vickery & Gill 1999	EN COs
Intertidal	Food availability	Abundance of mud-surface plants and green algae	$>25\%$ cover of one or more target species, e.g. <i>Zostera</i> , <i>Enteromorpha</i>	Percival & Evans 1997	EN COs

**Non-breeding season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Saltmarsh	Food availability	Abundance of soft-leaved plants	[>25% cover] of one or more target species, e.g. Spargularia, Puccinellia, Triglochin, Aster trifolium, Plantago, Salicornia spp.	Summers & Atkins 1991; Percival & Evans 1997; Vickery & Gill 1999; [estimated, Just Ecology]	EN COs

Deciduous woodlands, thickets, hedgerows, gorse and detached groups of trees, mostly in lowlands

<b>Breeding habitat:</b>	
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	

Year-round

<b>Main Occurrences:</b>	
<b>Breeding Period:</b>	Apr-Aug
<b>Summer Season:</b>	Apr-Sep
<b>Winter Season:</b>	Oct-Mar

**Bullfinch**

*Pyrrhula pyrrhula*

[as breeding habitat] plus greater use of farmland, scrub, orchards and large gardens

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Food availability	Abundance of shrub-layer invertebrates	Average biomass > [xxx], including e.g. caterpillars, aphids, beetles, bugs, spiders	Snow & Perrins 1998	Specialist

**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Food availability	Abundance of fruit and seed-bearing plants	[>25% cover] of one or more target species, e.g. <i>Pyrus</i> , <i>Malus</i> , <i>Urtica dioica</i> , <i>Rumex</i> , <i>Rubus</i> , birch, ash, sycamore, hawthorn, holly, crab apple	Witherby et al. 1938; Newton 1972; Snow & Perrins 1998; [estimated, Just Ecology]	EN COs
Woodland and scrub	Vegetation characteristics	Mix of dense scrub/undergrowth (nesting, concealment) and clearings (feeding)	[3:1] ratio of dense and open areas, in mosaic, and throughout the woodland area	Snow & Perrins 1998; [estimated, Just Ecology]	EN COs



Open country with scattered trees, copses and woodlands. Also forages on pasture, tidal estuaries, saltmarshes, coasts, fields of cereal after harvest and rubbish tips

<b>Breeding habitat:</b>	n/a
<b>Passage habitat:</b>	
<b>Wintering habitat:</b>	[as breeding habitat]

<b>Main Occurrence:</b>	Year-round
<b>Breeding Period:</b>	Apr-Aug
<b>Summer Season:</b>	Apr-Sep
<b>Winter Season:</b>	Oct-Mar

**Carrion crow**

*Corvus corone*

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Vegetation characteristics	High frequency of mature trees (nesting)	Trees of [ $>10m$ ] abundant throughout the nesting area	[estimated, Just Ecology]	EN COs

**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Food availability	Abundance of ground-surface invertebrates, live mammals and birds and carrion	Average biomass $>$ [xxx], including e.g. birds' eggs, small to medium-sized mammals - mice to rabbits - carrion, earthworms, beetles	Witherby et al. 1938; Snow & Perrins 1998	Specialist



Woodland, scattered scrub, hedgerows, parks, gardens in rural and urban environments

<b>Breeding habitat:</b>
<b>Passage habitat:</b>
<b>Wintering habitat:</b>

Year-round

<b>Main Occurrence:</b>
<b>Breeding Period:</b>
<b>Summer Season:</b>
<b>Winter Season:</b>

**Fringilla coelebs**

n/a

[as breeding habitat] plus saltmarsh and other open sites

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Food availability	Abundance of ground-surface and canopy invertebrates	Average biomass > [xxx], including e.g. caterpillars, flies, beetles	Gibbons et al. 1993; Snow & Perrins 1998	Specialist

**Non-breeding season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Saltmarsh	Food availability	Abundance of seed-bearing plants	[>25% cover] of one or more target species, e.g. <i>Atriplex hastata</i> , <i>Suaeda maritima</i>	Kaleja-Summers 1997; [estimated, Just Ecology]	EN COs

**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Food availability	Abundance of seed-bearing plants	[>25% cover] of one or more target species, e.g. <i>Sinapis</i> , <i>Brassica</i> , <i>Chenopodium</i> , <i>Stellaria</i> and <i>Cerastium</i> spp.	Lack 1986; Gibbons et al. 1993; Snow & Perrins 1998; [estimated, Just Ecology]	EN COs
Woodland and scrub	Vegetation characteristics	A diversity of tree species (feeding) and frequent patches of mature scrub (nesting, roosting)	Tree mix containing [>30%] European larch, plus dense scrub/hedge over >30% of area, >5m tall and > 1m wide at the base	Arnold 1983; Osborne 1984; Smart & Andrews 1985; Peck 1989; Green et al. 1994; Clement 1995; Macdonald & Johnson 1995; Gillings et al. 1998	EN COs

Deciduous or mixed woodland, from large forests to small woods, often in lowlands. Also parks, gardens, mature hedgerows or forestry plantations

<b>Breeding habitat:</b>	n/a
<b>Passage habitat:</b>	
<b>Wintering habitat:</b>	

Summer visitor

<b>Main Occurrence:</b>	Apr-Jul
<b>Breeding Period:</b>	Mar-Oct
<b>Summer Season:</b>	Oct-Mar
<b>Winter Season:</b>	

**Chiffchaff**  
*Phylloscopus collybita*

[as breeding habitat], with increased use of gardens, but only small numbers winter overall

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Woodland and scrub	Vegetation characteristics	High frequency of glades, rides or well-vegetated woodland edges (feeding, nesting)	Rides or open areas frequent throughout each woodland patch, and comprising [>30%] of area available	Clement 1995; [estimated, Just Ecology]	EN COs

**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Food availability	Abundance of canopy invertebrates	Average biomass > [xxx], including e.g. stoneflies, damselflies, bugs, lacewings, flies, aphids, spiders	Clement 1995	Specialist

**Cirl bunting**  
*Emberiza cirius*

<b>Main Occurrence:</b>	Year-round
<b>Breeding Period:</b>	May-Sep
<b>Summer Season:</b>	Apr-Sep
<b>Winter Season:</b>	Oct-Mar

<b>Breeding habitat:</b>	Lowland farmland with a mixture of small arable and grassland fields, much hedgerow habitat and trees or scrub
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	[as breeding habitat] with intense use of stubbles, fallow, weedy areas and farmyards

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Cultivated/disturbed land	Food availability	Abundance of shrub-layer and ground-surface invertebrates	Average biomass > [xxx], including e.g. grasshoppers, crickets, aphids, beetles, spiders, caterpillars	EN 1995d; Evans 1997; Snow & Perrins 1998; Lock 1999	Snow Specialist
<b>Year-round</b>					
Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Cultivated/disturbed land	Landscape	High frequency of small farm fields (feeding) and dense, thorny hedgerows (nesting, roosting)	Average field size [<0.5/ha] with [>75%] of field boundaries overall comprising hedgerows	Smith et al. 1992a; Cole 1993; EN 1995d; Snow & Perrins 1998; [estimated, Just Ecology]	EN COs
Cultivated/disturbed land	Food availability	Abundance of seed-bearing plants	[>25% cover] of one or more target species, e.g. cereals, <i>Poa annua</i> , <i>Triticum aestivum</i> , <i>Urtica</i> , <i>Stellaria media</i>	EN 1995d; Snow & Perrins 1998; [estimated, Just Ecology]	EN COs

Year-round

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Cultivated/disturbed land	Vegetation characteristics	Mix of 'poor' grassland/arable fields (feeding) and hedgerows/scrub (nesting, roosting)	[x:y:z] ratio of grassland, cereals and hedgerow/scrub [2-4m tall, >xxm wide], in mosaic, within areas used for nesting and feeding	Lack 1986; RSPB 1991; Smith et al. 1992a; Cole 1993; [estimated, Just Ecology]	EN COs

**Coal tit**

*Parus ater*

<b>Main Occurrence:</b>
<b>Breeding Period:</b>
<b>Summer Season:</b>
<b>Winter Season:</b>

Year-round  
Mar-Jun  
Apr-Sep  
Oct-Mar

<b>Breeding habitat:</b>
<b>Passage habitat:</b>
<b>Wintering habitat:</b>

Coniferous, Sessile Oak and northern Birch woodland  
n/a  
[as breeding habitat], plus scrub, hedgerow and gardens

**Breeding (summer) season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Woodland and scrub	Food availability	Abundance of canopy invertebrates	Average biomass > [xxx], including e.g. aphids, caterpillars, flies, spiders	Gibbons et al. 1993; Snow & Perrins 1998	Specialist
Woodland and scrub	Vegetation characteristics	Abundance of small tree cavities, rotting tree stumps or exposed roots (nesting)	Suitable cavities of <30mm across and >15cm deep, [locally frequent]	Barnes 1975; du Feu 1985; [estimated, Just Ecology]	EN COs

**Non-breeding season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Woodland and scrub	Food availability	Abundance of seed-bearing plants	[>25% cover] of one or more target species, e.g. beech, <i>Cirsium palustre</i> , <i>Pinus</i> and <i>Cnicus</i> spp.	Witherby et al. 1938; Lack 1986; [estimated, Just Ecology]	EN COs

**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Woodland and scrub	Landscape	High frequency of large coniferous or mixed woodlands (feeding, nesting)	Several woodlands of [ $>10$ ha] and representing [ $>25\%$ ] of the area overall	Barnes 1975; Snow & Perrins 1998; [estimated, Just Ecology]	EN COs
Woodland and scrub	Vegetation characteristics	A diversity of tree species and including conifers (nesting, feeding)	Tree mix containing [ $>30\%$ ] European larch, Scots pine or spruce	Barnes 1975; Peck 1989; [estimated, Just Ecology]	EN COs

**Common crossbill**

*Loxia curvirostra*

<b>Main Occurrence:</b>	Year-round
<b>Breeding Period:</b>	Jan-Jul
<b>Summer Season:</b>	Apr-Sep
<b>Winter Season:</b>	Oct-Mar

<b>Breeding habitat:</b>	Coniferous woodland, small clumps, shelterbelts and rows of pine trees
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	[as breeding habitat]

**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Coniferous woodland	Landform	Frequent pools or ditches providing supplies of drinking water	Sources of surface, freshwater [locally frequent]	Snow & Perrins 1998; [estimated, Just Ecology]	EN COs
Coniferous woodland	Food availability	Abundance of cone-bearing trees	[>50% cover] of one or more target species, e.g. pines, spruce	Snow & Perrins 1998; [estimated, Just Ecology]	EN COs

<b>Common gull</b>					
<i>Larus canus</i>					
	<b>Main Occurrence:</b>	Year-round	<b>Breeding habitat:</b>	Inland hills and moorland, saltmarsh, sand dunes and coastal grasslands	
	<b>Breeding Period:</b>	May-Jul	<b>Passage habitat:</b>	n/a	
	<b>Summer Season:</b>	Apr-Sep	<b>Wintering habitat:</b>	Estuaries and coastal beaches, inland waters, rubbish dumps and farmland	
	<b>Winter Season:</b>	Oct-Mar			

**Breeding (summer) season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Vegetation characteristics	Predominantly short to medium grass (colonial nesting)	10-30cm throughout areas used for nesting	Cramp & Simmons 1983	EN COs

**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Food availability	Abundance of fish, ground-surface invertebrates, birds and mammals	Average biomass > [xxx], including e.g. salmon, herring, earthworm, leatherjacket, flies, pipits, waders, voles	Cramp & Simmons 1983	Specialist



**Common sandpiper**

*Tringa hypoleucos*

<b>Main Occurrence:</b>
<b>Breeding Period:</b>
<b>Summer Season:</b>
<b>Winter Season:</b>

Summer visitor

May-Jul

Apr-Sep

Oct-Mar

<b>Breeding habitat:</b>
<b>Passage habitat:</b>
<b>Wintering habitat:</b>

n/a

Shingle margins of upland streams, rivers and clear lakes

A few winter on the margins on lowland streams, rivers, standing waters, on sewage farms and in estuaries

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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Any habitat	Vegetation characteristics	Frequent patches of medium to tall vegetation, close to open water (nesting)	Several patches of vegetation of [20-60cm], [<100m] from open water, within areas used for nesting	Cramp & Simmons 1983; Yalden 1986a&b; [estimated, Just Ecology]	EN COs
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Bare ground	Substrate	Frequent patches of shingle or gravel next to open water (nesting, feeding)	Shingle/gravel present on [>30%] of land area and in patches of 2-6m wide	Yalden 1986a&b; [estimated, Just Ecology]	EN COs
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**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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Any habitat	Landscape	Open terrain, relatively free of obstructions (anti-predator, feeding, roosting)	Areas with unrestricted views over [>200m] and an effective field size [>10ha]	[estimated, Just Ecology]	EN COs
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**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Food availability	Abundance of surface and sub-surface invertebrates	Average biomass > [xxx], including e.g. beetles, bugs, flies, Gammarus, spiders, Hydrobia, Littorina, earthworm	Cramp & Simmons 1983	Specialist
Any habitat	Vegetation characteristics	Open, short vegetation or bare ground predominating (roosting)	Vegetation of [<10cm] throughout areas used for roosting	[estimated, Just Ecology]	EN COs

**Common scoter**

*Melanitta nigra*

<b>Main Occurrence:</b>
<b>Breeding Period:</b>
<b>Summer Season:</b>
<b>Winter Season:</b>

Winter visitor  
n/a  
n/a  
Oct-Mar

<b>Breeding habitat:</b>
<b>Passage habitat:</b>
<b>Wintering habitat:</b>

n/a  
n/a  
Inshore coastal waters

**Non-breeding season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Coastal waters	Food availability	Abundance of marine molluscs, gastropods and crustaceans	Average biomass > [xxx], including e.g. Mytilus and Cardium of <40mm	Nilsson 1980; Cramp & Simmons 1977	Specialist

Coastal beaches, offshore islands and inland on lakes and river banks

<b>Breeding habitat:</b>	n/a
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	n/a

<b>Main Occurrence:</b>	Summer visitor
<b>Breeding Period:</b>	May-Aug
<b>Summer Season:</b>	Mar-Oct
<b>Winter Season:</b>	n/a

**Common fern**

*Sterna hirundo*

**Breeding (summer) season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Vegetation characteristics	Mix of short vegetation/bare ground (colonial nesting) and longer vegetation (concealment)	Short vegetation of <3cm, in patches not exceeding 100x30m, and [<50%] overall	Hume 1993; Avery & Cadbury 1990	EN COs
Standing water	Landform	Frequent low, shallow-sloping islands affording maximum protection against flooding (colonial nesting)	Several low islands/spits [grading to <30cm above water level] or platforms	Swift 1982; [estimated, Just Ecology]	EN COs
Standing water	Connectivity	Undisturbed islands in fresh or brackish waters (nesting) very close to the sea (feeding)	Several suitable nesting areas [<2km] from the sea	[estimated, Just Ecology]	EN COs

**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
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Year-round

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Food availability	Abundance of marine fish and crustaceans, or freshwater fish	Average biomass > [xxx], including e.g. sandeel and sprat of 5-8cm, coarse fish, crustacea, annelids	Cramp et al. 1974; Hume 1993; Becker et al. 1993	Specialist



**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Open water	Water depth	Extensive shallow water (feeding)	0.5-2m over [>50%] of water area	Perrow et al. 1997; [estimated, Just Ecology]	EN COs
Open water	Water area	Small to medium open areas of water (feeding, roosting)	One or more freshwaters of [>2ha]	Cramp & Simmons 1983; Salathe 1986; [estimated, Just Ecology]	EN COs

**Cormorant**

*Phalacrocorax carbo*

<b>Main Occurrence:</b>
<b>Breeding Period:</b>
<b>Summer Season:</b>
<b>Winter Season:</b>

Year-round  
 Apr-Aug  
 Apr-Sep  
 Oct-Mar

<b>Breeding habitat:</b>
<b>Passage habitat:</b>
<b>Wintering habitat:</b>

Cliff ledges, stacks or islets, and in scrub/trees free from disturbance inland  
 n/a  
 Estuaries, lakes, reservoirs, and large rivers

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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Any habitat	Vegetation characteristics	High frequency of mature trees, over or close to open water (colonial nesting, roosting)	Trees of [ $>5m$ ] abundant, [ $<10m$ ] from open water	Cramp & Simmons 1977; [estimated, Just Ecology]	EN COs
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Maritime cliff and slope	Substrate	Open ground with sparse vegetation and bare surfaces predominating (colonial nesting)	Vegetation cover [ $<20\%$ ] throughout the area used for nesting	Debout 1997; [estimated, Just Ecology]	EN COs
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**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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Any habitat	Food availability	Abundance of marine or freshwater fish	Average biomass $>$ [xxx], including e.g. fish of 10-25cm	Cramp & Simmons 1977; Gromadzki & Gromadzka 1997	Specialist
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**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Open water	Water depth	Extensive deep water (feeding)	2-10m over [ $>50\%$ ] of the water area	Cramp & Simmons 1977; Callaghan et al. 1998; [estimated, Just Ecology]	EN COs
Open water	Water area	Large open areas of water (feeding)	One or more salt or freshwaters of $>20\text{ha}$	Musil & Janda 1997; Callaghan et al. 1998	EN COs

**Corn bunting**

*Miliaria calandra*

<b>Main Occurrence:</b>	Year-round
<b>Breeding Period:</b>	Apr-Aug
<b>Summer Season:</b>	Apr-Sep
<b>Winter Season:</b>	Oct-Mar

<b>Breeding habitat:</b>	Arable farmland, mainly spring-sown barley and other cereals, unimproved grassland, grassy margins and set aside
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	[as breeding habitat], with heavy use of stubble fields, bare till and wet or scrubby areas for roosts

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Cultivated/disturbed land	Vegetation characteristics	High frequency of medium to tall crops (nesting)	Several crops of [10-50cm] within areas used for nesting	Watson & Raes 1997; Brickle 1998; [estimated, Just Ecology]	EN COs

**Non-breeding season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Vegetation characteristics	Frequent patches of dense vegetation (roosting) amongst otherwise open ground (feeding)	Ground predominantly open (>75% by area) with reedbed or dense scrub of [-xx ha] [locally frequent]	Watson & Raes 1997; Snow & Perrins 1998; [estimated, Just Ecology]	EN COs

**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Landscape	Open terrain (feeding) with isolated trees, hedgerows or other song posts (display)	Areas with unrestricted views over [ $>200\text{m}$ ] and song posts [locally frequent]	Moller 1986; Thompson & Gribbin 1986; Watson & Raes 1997; Brickle 1998; [estimated, Just Ecology]	EN COs
Any habitat	Food availability	Abundance of ground-surface and shrub-layer invertebrates	Average biomass $>$ [xxx], including e.g. spiders, caterpillars, beetles, snails, grasshoppers, flies	Hartley & Quicke 1994; Aebischer & Ward 1997; Gillings & Watts 1997; Brickle 1998	Specialist
Any habitat	Food availability	Abundance of seed-bearing plants	[ $>25\%$ cover] of one or more target species e.g. <i>Triticum aestivum</i> , <i>Hordeum</i> , <i>Lolium</i> , <i>Polygonum</i> , <i>Rumex</i> spp.	Hartley & Quicke 1994; Aebischer & Ward 1997; Gillings & Watts 1997; Brickle 1998; [estimated, Just Ecology]	EN COs

Poor/semi-improved grassland with wet areas and hay, on crofts, in floodplains etc.

<b>Breeding habitat:</b>	n/a
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	n/a

<b>Main Occurrence:</b>	Summer visitor
<b>Breeding Period:</b>	May-Jul
<b>Summer Season:</b>	Apr-Oct
<b>Winter Season:</b>	n/a

<b>Breeding (summer) season</b>	
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**Corncrake**

*Crex crex*

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Grassland - poor/semi improved	Landscape	Open grassy areas (anti-predator, concealment)	Areas with unrestricted views over [ $>200m$ ] and with [ $<10\%$ ] scrub or trees overall	Stowe & Hudson 1988; [estimated, Just Ecology]	EN COs
Grassland - poor/semi improved	Food availability	Abundance of ground-surface invertebrates and amphibians	Average biomass $>$ [xxx], including e.g. earthworm, beetles, leatherjacket, slugs, snails, spiders, frogs	Cramp & Simmons 1983; Niemann 1995	Specialist
Grassland - poor/semi improved	Vegetation characteristics	Frequent patches of tall emergent plants adjacent to hay meadows (nesting, concealment, feeding)	5:1 ratio of tall (20-60cm) grass to "marsh", e.g. Iris, Phalaris or Phragmites, in mosaic throughout the nesting area	RSPB 1994; Niemann 1995	EN COs

**Cuckoo**  
*Cuculus canorus*

<b>Main Occurrence:</b>	Summer visitor
<b>Breeding Period:</b>	May-Jun
<b>Summer Season:</b>	Apr-Aug
<b>Winter Season:</b>	n/a

<b>Breeding habitat:</b>	Woodland and scrub, parkland, hedgerows, wetlands with reedbeds, heaths, coastal dunes and marshes
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	n/a

**Breeding (summer) season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Connectivity	Large populations of host species (breeding) close to wooded habitat (feeding)	Abundance of hosts, e.g. breeding reed warbler, dunnock, meadow pipit, <5km from wooded feeding habitats	Wyllie 1981; Droscher 1990	EN COs
Woodland and scrub	Food availability	Abundance of ground-surface and shrub-layer invertebrates	Average biomass [xxx], including e.g. caterpillars, beetles, spiders	Wyllie 1981; Gibbons et al. 1993; Snow & Perrins 1998	Specialist



**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Landscape	Open terrain, relatively free of obstructions (anti-predator, display)	Areas with unrestricted views over [ $>200\text{m}$ ] and an effective field size of [ $>10\text{ha}$ ]	[estimated, Just Ecology]	EN COs
Any habitat	Vegetation characteristics	Open, short vegetation or bare ground predominating (roosting)	Vegetation of [ $<10\text{cm}$ ] throughout areas used for roosting	[estimated, Just Ecology]	EN COs
Non-intertidal	Food availability	Abundance of soil and ground-surface invertebrates	Average biomass $>$ [xxx], including e.g. earthworm, leatherjackets	Berg 1993	Specialist

**Dartford warbler**

*Sylvia undata*

<b>Main Occurrence</b>
<b>Breeding Period:</b>
<b>Summer Season:</b>
<b>Winter Season:</b>

Year-round  
May-Aug  
Apr-Sep  
Oct-Mar

<b>Breeding habitat:</b>
<b>Passage habitat:</b>
<b>Wintering habitat:</b>

Dry, lowland heaths, typically with heather and gorse  
n/a  
[as breeding habitat]

**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Heathland	Landscape	Open terrain with largely unbroken dwarf-shrub layer (concealment, nesting)	Areas with unrestricted views over [ $>500\text{m}$ ] and [ $>75\%$ ] dwarf-shrub cover	EN 1994b; [estimated, Just Ecology]	EN COs
Heathland	Food availability	Abundance of shrub-layer invertebrates	Average biomass $>$ [xxx], including e.g. beetles, spiders, caterpillars, bugs	Stroud et al. 1990a	Specialist
Heathland	Vegetation characteristics	Frequent patches of trees and dwarf scrub amongst a heather-dominated landscape (feeding, nesting)	$>50\%$ heather, $<25$ trees/ha and [ $5-25\%$ ] scrub of 0.5-3m overall	Bibby & Tubbs 1975; Bibby 1979a&b; Robins & Bibby 1985; Westerhoff & Tubbs 1991; EN 1994b; [estimated, Just Ecology]	EN COs



Beside or on swift running streams and rivers of mountainous, hilly and lowland regions

<b>Breeding habitat:</b>	n/a
<b>Passage habitat:</b>	
<b>Wintering habitat:</b>	[as breeding habitat]

<b>Main Occurrence:</b>	Year-round
<b>Breeding Period:</b>	Feb-Jul
<b>Summer Season:</b>	Apr-Sep
<b>Winter Season:</b>	Oct-Mar

**Dipper**

*Cinclus cinclus*

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Running water	Landform	Frequent steep, well vegetated banks, cliffs, waterfalls or bridges (nesting)	Suitable nest sites over water or on steep (>750) slopes, [>75%] vegetated and [locally frequent]	Gibbons et al. 1993; [estimated, Just Ecology]	EN COs

**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Running water	Food availability	Abundance of aquatic invertebrates and fish	Average biomass > [xxx], including e.g. mayfly nymphs, caddisfly larvae, Gammarus, true flies, stoneflies, bullheads	Lack 1986; Ormerod 1985; Ormerod et al. 1985; Gibbons et al. 1993	Specialist

**Dotterel**

*Charadrius morinellus*

<b>Main Occurrence:</b>	Summer visitor
<b>Breeding Period:</b>	May-Jul
<b>Summer Season:</b>	Mar-Aug
<b>Winter Season:</b>	n/a

<b>Breeding habitat:</b>	Montane heaths
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	n/a

**Breeding (summer) season**

**Habitat Attribute Preferred State Monitoring Target Citations Task**

Montane heath/dwarf herb	Landscape	Open ground (nesting, feeding)	Areas with unrestricted views over [ $>500m$ ] and [ $>75%$ ] montane heath/dwarf herb	Galbraith et al. 1993: [estimated, Just Ecology]	EN COs
Montane heath/dwarf herb	Food availability	Abundance of ground-surface invertebrates	Average biomass [ $>[xxx]$ ], including e.g. beetles, flies, caterpillars, earthworms, snails, spiders	Cramp & Simmons 1983	Specialist
Montane heath/dwarf herb	Vegetation characteristics	Mix of montane bog (feeding) and <i>Rhacomitrium lanuginosum</i> heath offering bare or sparsely vegetated ground (nesting)	[x:y] ratio of bog and heath habitat, in mosaic, within nesting areas	Cadbury 1992; Galbraith et al. 1993	EN COs

<b>Dunlin</b>	Year-round	Breeding habitat	Moorland and bogs dominated by heather, sedges etc., and low-lying saltmarsh
<b><i>Calidris alpina</i></b>	May-Jul Apr-Sep Oct-Mar	Passage habitat Wintering habitat	n/a Estuaries, coastal beaches, tidal rivers and standing waters inland

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Food availability	Abundance of surface and sub-surface invertebrates	Average biomass > [xxx], including e.g. dipteran flies, beetles, caddisfly, wasps, sawflies, mayflies	Cramp & Simmons 1983	Specialist
Any habitat	Vegetation characteristics	Mix of short (feeding) and patches of taller vegetation (nesting)	[1:3] ratio of short [<5cm] to long 10-30cm vegetation, in mosaic, within breeding areas	Lavers et al. 1996; Stroud et al. 1987, Cramp & Simmons 1983; [estimated, Just Ecology]	EN COs
Bog	Hydrology/flow	Predominantly moist boggy ground, with pools or flowing water (feeding)	[25-50%] of the area soggy or flooded or comprising permanent waterbodies	[estimated, Just Ecology]	EN COs

**Non-breeding season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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**Non-breeding season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Intertidal	Food availability	Abundance of surface and sub-surface invertebrates	Average biomass > [xxx], including e.g. Nereis, Macoma, Hydrobia, Crangon, Carcinus	Cramp & Simmons 1983, Worral 1984, Nehls & Tidemann 1993	Specialist

**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Landscape	Open terrain, relatively free of obstructions (anti-predator, display)	Areas with unrestricted views over [ $>200\text{m}$ ] and an effective field size of [ $>10\text{ha}$ ]	[estimated, Just Ecology]	EN COs
Any habitat	Vegetation characteristics	Open, short vegetation or bare ground predominating (roosting)	Vegetation of [ $<10\text{cm}$ ] throughout areas used for roosting	[estimated, Just Ecology]	EN COs

Scrubland, woodlands, field hedgerows, suburban parks and gardens

<b>Breeding habitat:</b>	n/a
<b>Passage habitat:</b>	
<b>Wintering habitat:</b>	[as breeding habitat]

<b>Main Occurrence:</b>	Year-round
<b>Breeding Period:</b>	Apr-Aug
<b>Summer Season:</b>	Apr-Sep
<b>Winter Season:</b>	Oct-Mar

**Dunnock**

*Prunella modularis*

**Non-breeding season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Food availability	Abundance of seed-bearing plants	[>25% cover] of one or more target species, e.g. <i>Urtica dioica</i> , <i>Holcus launatus</i> , <i>Sambucus nigra</i> , <i>Rumex obtusifolius</i>	Bishton 1986; Lack 1986; [estimated, Just Ecology]	EN COS

**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Any habitat	Food availability	Abundance of ground-surface and shrub-layer invertebrates	Average biomass > [xxx], including e.g. beetles, flies, springtails, spiders, earthworms	Snow & Perrins 1998	Specialist

Any habitat	Vegetation characteristics	High frequency of dense, mature scrub (nesting, feeding, display)	Patches of dense scrub, 2-3m tall [locally frequent] and forming [>75%] cover overall	Macdonald & Johnson 1995; Bishton 1986; Bevington 1991; [estimated, Just Ecology]	EN COS
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**Fieldfare**

*Turdus pilaris*

<b>Main Occurrence:</b>	Winter visitor	<b>Breeding habitat:</b>	n/a
<b>Breeding Period:</b>	n/a	<b>Passage habitat:</b>	n/a
<b>Summer Season:</b>	n/a	<b>Wintering habitat:</b>	Rough pasture, arable fields, hedgerows and orchards
<b>Winter Season:</b>	Oct-Mar		

**Non-breeding season**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Any habitat	Food availability	Abundance of fruit-bearing plants	[>25% cover] including one or more target species, e.g. hawthorn, holly, rowan, yew, juniper	Witherby et al. 1938; Tucker 1992; Norman 1994; [estimated, Just Ecology]	EN COs
Any habitat	Food availability	Abundance of ground-surface invertebrates	Average biomass > [xxx], including e.g. earthworms	Witherby et al. 1938; Tucker 1992; Norman 1994; Snow & Perrins 1998	Specialist
Woodland and scrub	Vegetation characteristics	Many tall, dense scrub patches (roosting)	Dense, almost impenetrable scrub of [>5m tall] [locally frequent] within areas used for roosting	Snow & Perrins 1998; [estimated, Just Ecology]	EN COs





Coastal cliffs, boulder beaches, grassy slopes and, occasionally, sand dunes

<b>Breeding habitat:</b>	
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	Pelagic

<b>Main Occurrence:</b>	Summer visitor
<b>Breeding Period:</b>	May-Aug
<b>Summer Season:</b>	May-Aug
<b>Winter Season:</b>	n/a

**Fulmar**

**Fulmarus glacialis**

**Year-round**

<b>Habitat</b>	<b>Habitat Attribute</b>	<b>Preferred State</b>	<b>Monitoring Target</b>	<b>Citations</b>	<b>Task</b>
Coastal waters	Food availability	Abundance of marine fish, cephalopods, crustaceans and offal	Average biomass > [xxx], including e.g. sandeel 6-12cm, squid	Lloyd et al. 1991, Furness 1990	Specialist

**Gadwall**

*Anas strepera*

<b>Main Occurrence:</b>	Year-round
<b>Breeding Period:</b>	May-Aug
<b>Summer Season:</b>	Apr-Sep
<b>Winter Season:</b>	Oct-Mar

<b>Breeding habitat:</b>	Inland lakes, flooded gravel pits, large ponds and reservoirs, nesting in grassland and marsh
<b>Passage habitat:</b>	n/a
<b>Wintering habitat:</b>	[as breeding habitat]

**Breeding (summer) season**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
Grassland and marsh	Vegetation characteristics	Frequent patches of medium to tall vegetation, close to open water (nesting)	Several patches of vegetation of [20-60cm], [<50m] from open water, within areas used for nesting	Cramp & Simmons 1977; [estimated, Just Ecology]	EN COs
Standing water	Food availability	Abundance of water-surface invertebrates (feeding by young)	Average biomass > [xxx], including e.g. hatching midges	RSPB/EN/ITE 1997	Specialist
Standing water	Hydrology/flow	Dropping water levels (providing a succession of surface water areas for feeding)	Water levels falling by [5-15%] per month, from the time of mean hatch date	RSPB/EN/ITE 1997; [estimated, Just Ecology]	EN COs

**Year-round**

Habitat	Habitat Attribute	Preferred State	Monitoring Target	Citations	Task
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