



## CES HABITAT CODES



### WOODLAND (BTO Habitat Code A)

**CES Level One** : Predominant scrub species present (between 1m and 7m tall)

Choose 1 or 2 codes for commonest and second commonest scrub groups.

**Do not include trees or shrubs higher than 7m.**

Some mature woodland contains little or no scrub vegetation.

- 1 Hawthorn (*Crataegus* spp)
- 2 Cherries and Plums (*Prunus* spp includes wild cherry and blackthorn)
- 3 Buckthorn family (includes Alder Buckthorn *Frangula alnus*)
- 4 Brambles (*Rubus* spp) and Roses (*Rosa* spp) (includes blackberry, raspberry, dog rose and wild briar)
- 5 Sea Buckthorn (*Hippophae rhamnoides*)
- 6 Willow (*Salix* spp)
- 7 Alder (*Alnus* spp)
- 8 Elder (*Sambucus* spp)
- 9 Hazel family (includes Hazel *Corylus avellana* and Hornbeam *Carpinus betulus*)
- 10 Sorbus shrubs (*Sorbus* spp includes Rowan and Whitebeam)
- 11 Gorse (*Ulex* spp)
- 12 Birch (*Betula* spp)
- 13 Mixed or pure evergreen scrub (including Yew *Taxus baccata*, Juniper *Juniperus communis*, Holly *Ilex aquifolium*)
- 14 Mixed deciduous scrub
- 15 Exotic/introduced scrub species
- 16 Other scrub
- 17 Young trees (deciduous)
- 18 Young trees (coniferous)
- 19 No real scrub layer
- 20 Scrub species unknown

**CES Level Two** : Field Layer (non-woody plants usually less than 2m tall)

Choose 1 or 2 codes for commonest and second commonest plant types

- 1 Reed (*Phragmites* spp)
- 2 Reedmace (*Typha* spp)
- 3 Reedgrass (*Glyceria* spp)
- 4 Rushes (*Juncus* spp) and/or Sedge (*Carex* spp) - grazed
- 5 Rushes (*Juncus* spp) and/or Sedge (*Carex* spp) - ungrazed
- 6 Herb/nettle field layer - grazed
- 7 Herb/nettle field layer - ungrazed
- 8 Grass field layer - grazed
- 9 Grass field layer - ungrazed
- 10 Bracken/ferns field layer
- 11 Low (<1m) bramble (*Rubus* spp)
- 12 No field layer vegetation

Note: The category Herbs' includes a wide variety of flowering annuals.  
Some of these can reach heights in excess of 2m (e.g. Hemlock *Conium maculatum*)

**CES Level Three** : Water (*choose 1 code*)

- 1 Dry (no standing water)
- 2 Dried out (was wet earlier in CES season)
- 3 Standing water (average depth 1-10cm)
- 4 Standing water (average depth 11-50cm)
- 5 Standing water (average depth >50cm)
- 6 Flowing water (average depth <20cm)
- 7 Flowing water (average depth >20cm)

**SCRUBLAND (BTO Habitat Code B)**

**CES Level One** : Predominant scrub species present (between 1m and 7m tall)

*Choose 1 or 2 codes for commonest and second commonest scrub groups.*

**Do not include scrub or trees higher than 7m.**

- 1 Hawthorn (*Crataegus* spp)
- 2 Cherries and Plums (*Prunus* spp includes wild cherry and blackthorn)
- 3 Buckthorn family (includes Alder Buckthorn *Frangula alnus*)
- 4 Brambles (*Rubus* spp) and Roses (*Rosa* spp) (includes blackberry, raspberry, dog rose and wild briar)
- 5 Sea Buckthorn (*Hippophae rhamnoides*)
- 6 Willow (*Salix* spp)
- 7 Alder (*Alnus* spp)
- 8 Elder (*Sambucus* spp)
- 9 Hazel family (includes Hazel *Corylus avellana* and Hornbeam *Carpinus betulus*)
- 10 Sorbus shrubs (*Sorbus* spp includes Rowan and Whitebeam)
- 11 Gorse (*Ulex* spp)
- 12 Birch (*Betula* spp)
- 13 Mixed or pure evergreen scrub (including Yew *Taxus baccata*, Juniper *Juniperus communis*, Holly *Ilex aquifolium*)
- 14 Mixed deciduous scrub
- 15 Exotic/introduced scrub species
- 16 Other scrub
- 17 Young trees (deciduous)
- 18 Young trees (coniferous)
- 19 No real scrub layer
- 20 Scrub species unknown

**CES Level Two** : Field Layer (non-woody plants usually less than 2m tall)

*Choose 1 or 2 codes for commonest and second commonest plant types*

- 1 Reed (*Phragmites* spp)
- 2 Reedmace (*Typha* spp)
- 3 Reedgrass (*Glyceria* spp)
- 4 Rushes (*Juncus* spp) and/or Sedge (*Carex* spp) - grazed
- 5 Rushes (*Juncus* spp) and/or Sedge (*Carex* spp) - ungrazed
- 6 Herb/nettle field layer - grazed
- 7 Herb/nettle field layer - ungrazed
- 8 Grass field layer - grazed

- 9 Grass field layer - ungrazed
- 10 Bracken/ferns field layer
- 11 Low (<1m) bramble (*Rubus* spp)
- 12 No field layer vegetation

Note: The category Herbs' includes a wide variety of flowering annuals.  
Some of these can reach heights in excess of 2m (e.g. Hemlock *Conium maculatum*)

**CES Level Three : Water (choose 1 code)**

- 1 Dry (no standing water)
- 2 Dried out (was wet earlier in CES season)
- 3 Standing water (average depth 1-10cm)
- 4 Standing water (average depth 11-50cm)
- 5 Standing water (average depth >50cm)
- 6 Flowing water (average depth <20cm)
- 7 Flowing water (average depth >20cm)

**SEMI-NATURAL GRASSLAND AND MARSH (BTO Habitat Code C)**

Generally choose 1 code, but if the CES net straddles an interface between two habitat types then choose 2 codes

- 1 Open Water (includes standing and moving water)
- 2 Reedswamp (typically standing water with reeds *Phragmites*, reedmace *Typha* or reed-grass *Glyceria*)
- 3 Mixed Marsh (typically standing water with reeds mixed with herbs)
- 4 Grazed Marsh (typically no standing water, often dominated by *Carex* or *Juncus*)
- 5 High Marsh (typically no standing water with rough grass, nettles, willowherb, meadowsweet and bramble. Perhaps declining density of reeds. Frequently waterlogged soil)
- 6 Willow Scrub (typically no standing water with willow or alder - perhaps also Buckthorn, Alder Buckthorn or other thorn' bushes. Frequently waterlogged soil)

**CES Level Two : Field Layer (non-woody plants usually less than 2m tall)**

Choose 1 or 2 codes for commonest and second commonest plant types

- 1 Reed (*Phragmites* spp)
- 2 Reedmace (*Typha* spp)
- 3 Reedgrass (*Glyceria* spp)
- 4 Rushes (*Juncus* spp) and/or Sedge (*Carex* spp) - grazed
- 5 Rushes (*Juncus* spp) and/or Sedge (*Carex* spp) - ungrazed
- 6 Herb/nettle field layer - grazed
- 7 Herb/nettle field layer - ungrazed
- 8 Grass field layer - grazed
- 9 Grass field layer - ungrazed
- 10 Bracken/ferns field layer
- 11 Low (<1m) bramble (*Rubus* spp)
- 12 No field layer vegetation

Note: The category Herbs' includes a wide variety of flowering annuals.  
Some of these can reach heights in excess of 2m (e.g. Hemlock *Conium maculatum*)

**CES Level Three : Water** (*choose 1 code*)

- 1 Dry (no standing water)
- 2 Dried out (was wet earlier in CES season)
- 3 Standing water (average depth 1-10cm)
- 4 Standing water (average depth 11-50cm)
- 5 Standing water (average depth >50cm)
- 6 Flowing water (average depth <20cm)
- 7 Flowing water (average depth >20cm)

**HEATHLAND AND BOGS (BTO Habitat Code D)**

*Follow CES codes for Scrubland* (BTO Habitat Code B)

**FARMLAND (BTO Habitat Code E)**

*Follow CES codes for Scrubland* (BTO Habitat Code B)

**HUMAN SITES (BTO Habitat Code F)**

*Follow CES codes for Scrubland* (BTO Habitat Code B)

**WATER BODIES (BTO Habitat Code G)**

*Follow CES codes for Semi-natural grassland and Marsh* (BTO Habitat Code C)