

South Purbeck BCA

Key species

The following table lists species of conservation concern found within the BCA.

Abbreviations:

S41 = Section 41 species of Principal Importance list in the NERC Act (2006)

IUCN Red List categories:

NT = Near Threatened

VU = Vulnerable

EN = Endangered

CR = Critically Endangered

Rarity:

NR = Nationally Rare (1-15 10-km squares in Britain)

NS = Nationally Scarce (16-100 10-km squares in Britain)


Dorset Status:


DR = Dorset Rare

DS = Dorset Scarce

DN = Dorset Notable

Key

 = Section 41 species of Principal Importance

 = Red Listed species with IUCN categories CR, EN, VU & NT

 = Nationally Scarce or Nationally Rare species


 = Dorset Rare or Scarce species, declining in the county or particularly characteristic of the BCA

TABLE 1. Key species in the South Purbeck BCA:

Group:	Species	Status	Broad Habitat	Priority habitat	
Plants	Bastard Toadflax <i>Thesium humifusum</i>	NS	Grasslands	Lowland calcareous grassland	Short turf species
Plants	Carrot Broomrape <i>Orobanche minor</i> subsp. <i>maritima</i>	NS	Coastlands	Maritime cliffs & slopes	UK stronghold on the coast
Plants	Chamomile <i>Chamaemelum nobile</i>	S41, VU	Heathlands	Lowland dry acid grassland	Requires tight grazing, the main Dorset populations are on Corfe Common
Plants	Corn Buttercup <i>Ranunculus arvensis</i>	S41; EN	Farm & village	Arable field margins	Requires annual cultivation
Plants	‘Durlston’ Sea-lavender <i>Limonium obesifolium</i>		Coastlands	Maritime cliffs & slopes	British endemic
Plants	Dwarf Mouse-ear <i>Cerastium pumilum</i>	NT	Grasslands	Lowland calcareous grassland	Short turf & bare ground species
Plants	Early Gentian <i>Gentianella amarella</i> ssp. <i>anglica</i>	S41	Grasslands	Lowland calcareous grassland	Short turf species in limestone grassland
Plants	Early Spider-orchid <i>Orchis sphegodes</i>	NS	Grasslands	Lowland calcareous grassland	Short turf species, a UK stronghold on the limestone coast
Plants	English Eyebright <i>Euphrasia officinalis</i> ssp. <i>anglica</i>	S41; EN	Grasslands	Lowland dry acid grassland	Short turf species in acid grassland
Plants	Goldenrod <i>Solidago virgaurea</i>	NT	Heathlands	Lowland dry acid grassland	Confined to Corfe Common
Plants	Henbane <i>Hyoscyamus niger</i>	VU	Grasslands		Disturbance species
Plants	Hound’s-tongue <i>Cynoglossum officinale</i>	NT	Grasslands	Lowland calcareous grassland	Disturbance species; Purbeck limestone the Dorset stronghold
Plants	Lesser Water-plantain <i>Baldellia ranunculoides</i>	VU	Wetlands	Ponds	Requires bare ground
Plants	Marsh Helleborine <i>Epipactis palustris</i>	NT	Coastlands	Maritime cliffs & slopes	
Plants	Pheasant’s-eye <i>Adonis annua</i>	S41; EN	Farm & village	Arable field margins	Requires annual cultivation, the last known Dorset populations near St Aldhelm’s Head
Plants	Slender Tare <i>Vicia parviflora</i>	VU	Grasslands	Lowland calcareous grassland	
Plants	Stinking Chamomile <i>Anthemis cotula</i>	VU	Farm & village	Arable field margins	Requires annual cultivation
Plants	White Helleborine <i>Cephalanthera damasonium</i>	S41, VU	Woodlands		One locality in old plantation
Plants	White Horehound <i>Marrubium vulgare</i>	NS	Coastlands	Maritime cliffs & slopes	One of three Dorset sites at Emmett’s Hill
Plants	Wild Cabbage Brassica oleracea	NS	Coastlands	Maritime cliffs & slopes	A UK stronghold along the coast
Plants	Yellow Vetchling <i>Lathyrus aphaca</i>	VU	Grasslands		
Liverworts	<i>Cololejeunea rossettiana</i> Rossetti's Pouncewort	NS	Coastlands	Maritime cliffs & slopes	On shaded limestone rocks on undercliff
Liverworts	<i>Marchesinia mackaii</i> Mackay’s Pounewort	DR	Coastlands	Maritime cliffs & slopes	On shaded limestone rocks on undercliff
Mosses	<i>Acaulon triquetrum</i> Triangular Pygmy-moss	S41; EN	Coastlands	Maritime cliffs & slopes	Bare ground species
Mosses	<i>Habrodon perpusillus</i> Lesser Squirrel-tail Moss	S41	Farm & village		Epiphyte; only Dorset site on one Ash tree
Mosses	<i>Weissia condensa</i> Curly Beardless Moss	S41; NT	Grasslands	Lowland calcareous grassland	Short turf species
Mosses	<i>Acaulon triquetrum</i> Triangular Pygmy-moss	S41; EN	Coastlands	Maritime cliffs & slopes	In soil pockets on coastal slopes
Mosses	<i>Microbryum starckeanum</i> Starke’s Pottia	NS	Coastlands	Maritime cliffs & slopes	In soil pockets on coastal slopes

Group:	Species	Status	Broad Habitat	Priority habitat	
Mosses	<i>Palustriella commutata</i> Curled Hook-moss	DS	Wetlands		In basic flushes on the limestone
Mosses	<i>Palustriella falcata</i> Claw-leaved Hook-moss	DR	Wetlands	Lowland fens	Only Dorset site; basic flush species
Mosses	<i>Philonotis calcarea</i> Thick-nerved Apple-moss	DR	Wetlands	Lowland fens	Only Dorset site; basic flush species
Mosses	<i>Plasteurhynchium striatulum</i> Lesser Striated Feather-moss	DR	Woodlands		Only Dorset sites on shaded stone walls
Mosses	<i>Pterygoneurum ovatum</i> Oval-leaved Pottia	DR	Coastlands	Maritime cliffs & slopes	Two of three recent Dorset records
Mosses	<i>Scorpidium cossonii</i> Intermediate Hook-moss	DR	Wetlands	Lowland fens	Only Dorset site; basic flush species
Mosses	<i>Didymodon acutus</i>	NS	Grasslands	Lowland calcareous grassland	Short turf species
Fungi & Lichens	<i>Bacidia incompta</i>	S41; VU	Woodlands	Lowland mixed deciduous woodland	In hollow or on damaged trees
Fungi & Lichens	<i>Biatorella fossarum</i>	S41; EN	Coastlands	Maritime cliffs & slopes	On soil on limestone undercliff
Fungi & Lichens	<i>Cryptolechia carneolutea</i>	S41; EN	Woodlands	Lowland mixed deciduous woodland	Veteran and ancient tree species, threatened by Ash dieback
Fungi & Lichens	<i>Endocarpon pusillum</i>	NT	Coastlands	Maritime cliffs and slopes	On soil on cliff tops, a UK stronghold
Fungi & Lichens	<i>Fuscopannaria nebulosa</i>	NS	Coastlands	Maritime cliffs & slopes	On soil at Worbarrow Bay
Fungi & Lichens	<i>Inoderma subabietinum</i>	DN; IR	Woodlands	Lowland mixed deciduous woodland	Veteran tree species
Fungi & Lichens	<i>Lecania chlorotiza</i>	S41; NT	Woodlands	Lowland mixed deciduous woodland	Mature and veteran tree species
Fungi & Lichens	<i>Lobaria pulmonaria</i>	DN	Woodlands	Lowland mixed deciduous woodland	Mature and veteran tree species also requiring clean air
Fungi & Lichen	<i>Opegrapha xerica</i>	DN	Woodlands	Lowland mixed deciduous woodland	Veteran tree species
Fungi & Lichens	<i>Parmelina carporrhizans</i>	S41; VU	Woodlands	Lowland mixed deciduous woodland	In the canopy of mature trees; threatened by Ash dieback
Fungi & Lichens	<i>Placidiopsis custnani</i>	NT	Coastlands	Maritime cliffs & slopes	Only Dorset site at Worbarrow Bay
Fungi & Lichens	<i>Rinodina roboris</i>	IR	Woodlands	Lowland mixed deciduous woodland	Veteran tree species
Fungi & Lichens	<i>Sporodophoron cretaceum</i>	IR	Woodlands	Lowland mixed deciduous woodland	Veteran tree species
Fungi & Lichen	<i>Teloschistes chrysophthalmus</i>	CR	Farm & Village		Climate change species, increasing
Fungi & Lichens	<i>Toninia sedifolia</i>	S41	Grasslands	Lowland calcareous grassland	Short, open turf species
Fungi & Lichens	<i>Wadeana dendrographa</i>	S41; NT	Woodlands	Lowland mixed deciduous woodland	Veteran and ancient tree species, threatened by Ash dieback
Fungi & Lichens	<i>Puccinia thesii</i> Bastard Toadflax Rust	S41	Grasslands	Lowland calcareous grassland	Rare nationally; two sites on limestone coast
Fungi & Lichens	<i>Clavulimopsis umbrinella</i> Beige Coral	DS	Heathlands	Lowland dry acid grassland	Found in short turf on Corfe Common
Fungi & Lichens	<i>Entoloma griseocyaneum</i> Felted Pinkgill	VU	Heathlands	Lowland dry acid grassland	Found in short turf on Corfe Common
Fungi & Lichens	<i>Hygrocybe intermedia</i> Fibrous Waxcap	VU	Heathlands	Lowland dry acid grassland	Found in short turf on Corfe Common
Fungi & Lichens	<i>Hygrocybe punicea</i> Crimson Waxcap	VU	Heathlands	Lowland dry acid grassland	Locally frequent on Corfe Common
Fungi & Lichens	<i>Hygrocybe splendidissima</i> Splendid Waxcap	VU	Heathlands	Lowland dry acid grassland	Found in short turf on Corfe Common

Group:	Species	Status	Broad Habitat	Priority habitat	
Invertebrates	Lulworth Skipper <i>Thymelicus acteon</i>	S41; NT	Coastlands Grasslands	Maritime cliffs & slopes Lowland calcareous grassland	Purbeck the UK stronghold in longer swards of Tor-grass
Invertebrates	Dingy Skipper <i>Erynnis tages</i>	S41, VU	Grasslands	Lowland calcareous grassland	
Invertebrates	Grizzled Skipper <i>Pyrgus malvae</i>	S41, VU	Grasslands	Lowland calcareous grassland	Very local in grassland
Invertebrates	Small Blue <i>Cupido minimus</i>	S41, NT	Grasslands	Lowland calcareous grassland	Short turf species
Invertebrates	Adonis Blue <i>Polyommatus bellargus</i>	NT	Grasslands	Lowland calcareous grassland	Short turf species
Invertebrates	White-letter Hairstreak <i>Satyrrium w-album</i>	S41, EN	Woodlands		One population on old elm trees
Invertebrates	Wall <i>Lasiommata megera</i>	S41, NT	Grasslands	Lowland calcareous grassland	Widespread along the coast
Invertebrates	Grayling <i>Hipparchia semele</i>	S41, VU			
Invertebrates	Small Heath <i>Coenonympha pamphilus</i>	S41, NT	Grasslands	Lowland calcareous grassland	Widespread is grassland
Invertebrates	Chalk Carpet <i>Scotopteryx bipuntaria</i>	S41	Grasslands	Lowland calcareous grassland	In short open turf
Invertebrates	Chalk-hill Lancewing <i>Epermenia insecurella</i>	S41	Grasslands	Lowland calcareous grassland	Rare nationally associated with Bastard Toadflax in short turf
Invertebrates	Chimney Sweeper <i>Odezia atrata</i>		Heathlands	Lowland dry acid grassland	Pignut is the larval foodplant, Corfe Common one few Dorset sites
Invertebrates	Portland Ribbon Wave <i>Idaea degeneraria</i>		Coastlands	Maritime cliffs & slopes	Confined in Britain to scrubby limestone undercliffs on Portland and Purbeck
Invertebrates	Black Oil Beetle <i>Meloe proscarabaeus</i>	S41	Coastlands		Local along the coast
Invertebrates	Violet Oil Beetle <i>Meloe violaceus</i>	S41	Coastlands		Local along the coast
Invertebrates	Longhorn Bee <i>Eucera longicornis</i>	S41	Coastlands	Maritime cliffs & slopes	Forages form vetches and trefoils
Invertebrates	Brown-banded Carder Bee <i>Bombus humilis</i>	S41	Coastlands Grasslands	Maritime cliffs & slopes Lowland calcareous grassland	Requires flower-rich grassland, several recent records from the coastal limestone
Invertebrates	Moss Carder Bee <i>Bombus muscorum</i>	S41	Grasslands	Lowland calcareous grassland	Requires flower-rich grassland, one recent site
Invertebrates	Red-shanked Carder Bee <i>Bombus ruderarius</i>	S41	Coastlands	Maritime cliffs & slopes	Requires flower-rich grassland, one recent record on the coast
Invertebrates	Hawk's-beard Mining Bee <i>Andrena fulvago</i>		Grasslands	Lowland calcareous grassland	Forages from yellow Asteraceae, very local on the coast.
Invertebrates	Large Meadow Mining Bee <i>Andrena labialis</i>		Coastlands	Maritime cliffs & slopes	Forages from clovers & vetches, local along the coast.
Invertebrates	Carrot Mining Bee <i>Andrena nitidiuscula</i>	(NS)	Coastlands	Maritime cliffs & slopes	Forages from wild carrot, Dorset coast a UK stronghold
Invertebrates	Black Mining Bee <i>Andrena pilipes</i>	(NS)	Coastlands	Maritime cliffs & slopes	
Invertebrates	Cliff Furrow Bee <i>Lasioglossum angusticeps</i>	S41	Coastlands	Maritime cliffs & slopes	Dorset coast the UK stronghold, forages from Bird's-foot-trefoil
Invertebrates	Broad-faced Furrow Bee <i>Lasioglossum laticeps</i>		Coastlands	Maritime cliffs & slopes	Dorset coast the UK stronghold, recorded from several sites from Waorbarrow Bay to Kimmeridge.

Group:	Species	Status	Broad Habitat	Priority habitat	
Invertebrates	Yellow-footed Furrow Bee <i>Lasioglossum xanthopus</i>	(NS)	Grasslands		Rare along the coast
Invertebrates	Red-tailed blood-bee <i>Sphecodes rubicundus</i>	NS	Coastlands	Maritime cliffs & slopes	Cleptoparasite of <i>Andrena labialis</i> , very local
Invertebrates	Black-headed Mason Wasp <i>Odynerus melanocephalus</i>	S41	Coastlands	Maritime cliffs & slopes	Very local along the coast associated with open clayey ground
Invertebrates	Hornet Robberfly <i>Asilus crabroniformis</i>	S41	Grasslands		
Invertebrates	Southern Damselfly <i>Coenagrion mercuriale</i>	S41	Wetlands	Lowland fens	In basic flushes and runnels on Corfe Common
Invertebrates	Fairy Shrimp <i>Chirocephalus diaphanus</i>	S41	Wetlands	Ponds	Recently found in a pond on the limestone plateau.
Invertebrates	Desmoulin's Whorl Snail <i>Vertigo moulinsiana</i>	S41	Wetlands	Lowland fens	
Invertebrates	Down Shieldbug <i>Canthophorus impressus</i>	NS	Grasslands	Lowland calcareous grassland	Feeds exclusively on Bastard Toadflax in short turf.
Invertebrates	<i>Chrysotoxum elegans</i>	NS	Grasslands	Lowland calcareous grassland	Found in grassland and scrub edges, Dorset coast a stronghold
Invertebrates	<i>Marpissa muscosa</i>	NS			Lives in stone walls
Birds	Fulmar <i>Fulmarus glacialis</i>		Coastlands		Small numbers breed on cliffs
Birds	Peregrine <i>Falco peregrinus</i>		Coastlands		Several pairs regularly breed on cliffs
Birds	Kestrel <i>Falco</i>	Amber	Farm & village		
Birds	Grey Partridge <i>Perdix perdix</i>	S41; Red	Farm & village	Arable field margins	Now only in very quantity in farmland around St Aldhelm's Head
Birds	Guilemot <i>Uria aalge</i>	Amber	Coastlands		
Birds	Razorbill <i>Alca torda</i>	Amber	Coastlands		Very small numbers breed on cliffs
Birds	Puffin <i>Fratercula arctica</i>	Red	Coastlands		Very small numbers breed on cliffs
Birds	Kittiwake <i>Rissa tridactyla</i>	Red	Coastlands		Very small numbers breed on cliffs
Birds	Shag <i>Phalacrocorax aristotelis</i>	Red	Coastlands		Small numbers breed on cliffs
Birds	Barn Owl <i>Tyto alba</i>		Farm & village		
Birds	Tawny Owl <i>Strix aluco</i>	Amber	Woodlands	Lowland mixed deciduous woodland	
Birds	Swift <i>Apus apus</i>	Red	Farm & village		
Birds	House Martin <i>Delichon urbicum</i>	Red	Farm & village		
Birds	Swallow <i>Hirundo rustica</i>		Farm & village		
Birds	Skylark <i>Alauda arvensis</i>	S41; Red	Farm & village		
Birds	Stonechat <i>Saxicola torquatus</i>		Grasslands	Lowland calcareous grassland	Local in scrub along the coast
Birds	Spotted Flycatcher <i>Muscicapa striata</i>	S41; Red	Woodlands	Lowland mixed deciduous woodland	Very local in woodland
Birds	Common Whitethroat <i>Sylvia communis</i>	Amber	Grasslands	Lowland calcareous grassland	Widespread in scrub along the coast

Group:	Species	Status	Broad Habitat	Priority habitat	
Birds	Marsh Tit <i>Poecile palustris</i>		Woodlands	Lowland mixed deciduous woodland	Very local in woodland
Birds	House Sparrow <i>Passer domesticus</i>	S41; Red	Farm & village		
Birds	Dunnock <i>Prunella modularis</i>	S41; Amber	Farm & village	Hedgerows	
Birds	Starling <i>Sternus vulgaris</i>	S41; Red	Farm & village		
Birds	Mistle Thrush <i>Turdus viscivorus</i>	Red	Farm & village		
Birds	Song Thrush <i>Turdus philomelos</i>	S41; Amber	Farm & village	Hedgerows	
Birds	Bullfinch <i>Pyrrhula pyrrhula</i>	S41; Amber	Farm & village	Hedgerows	
Birds	Linnet <i>Linaria cannabina</i>	S41; Red	Farm & village		
Birds	Yellowhammer <i>Emberiza citrinella</i>	S41; Red	Farm & village	Hedgerows	
Birds	Corn Bunting <i>Emberiza calandra</i>	S41, Red	Farm & village	Arable field margins	Now rare and in small quantity at St Aldhelm's Head
Amphibians	Common Toad <i>Bufo bufo</i>	S41	Farm & village	Ponds	
Amphibians	Great Crested Newt <i>Triturus cristatus</i>	S41; WCA	Farm & village	Ponds	Several records from the limestone plateau
Reptiles	Slow Worm <i>Anguis fragilis</i>	S41			
Reptiles	Grass Snake <i>Natrix helvetica</i>	S41			
Reptiles	Adder <i>Vipera berus</i>	S41	Grasslands	Lowland calcareous grassland Maritime cliffs & slopes	Local in grasslands and on undercliffs
Reptiles	Common Lizard <i>Zootoca vivipara</i>	S41			
Mammals	Brown Hare <i>Lepus europaeus</i>	S41	Farm & village		Local in the area, mainly in farmland
Mammals	Stoat <i>Mustela erminea</i>		Farm & village		
Mammals	Weasel <i>Mustela nivalis</i>		Farm & village		
Mammals	Greater Horseshoe Bat <i>Rhinolophus ferrumequinum</i>	S41	Farm & Village		Winter roosts in caves and mine adits, maternity roost north of Purbeck Ridge, uses wider countryside for foraging
Mammals	Whiskered Bat <i>Myotis mystacinus</i>	DD	Farm & Village		Uses wider countryside for foraging
Mammals	Brandt's Bat <i>Myotis brandtii</i>	DD	Farm & Village		Uses wider countryside for foraging
Mammals	Bechstain's Bat <i>Myotis bechsteinii</i>	S41	Woodlands		Uses wider countryside for foraging
Mammals	Western Barbastelle <i>Barbastella barbastellus</i>	S41; VU	Woodlands		Uses wider countryside for foraging
Mammals	Noctule Bat <i>Nyctalus noctula</i>	S41	Farm & Village		Uses wider countryside for foraging
Mammals	Grey Long-eared Bat <i>Plecotus austriacus</i>	EN	Farm & Village		Uses wider countryside for foraging