

DORSET LOCAL NATURE RECOVERY STRATEGY HABITAT ASSEMBLAGES

Habitat assemblage:	Species of unimproved grasslands
Broad Habitat type:	Grasslands
S41 and Priority Habitat type:	Lowland Meadows
Composite species assemblages:	Grassland bees and bumblebees Invertebrates of species-rich neutral grassland Micro-moths of Dyer's greenweed Plants of ancient and unimproved meadows and pastures Fungi of ancient and unimproved grasslands All bat species

Habitat assemblage description:	Meadows and pastures on neutral soils are now one of the rarest habitats as many were found on flatter ground with fertile soils that were favourable to the growing of arable crops and quick-growing grasses for intensive grazing. These types of grasslands have declined by 97% nationally and in Dorset only around 700-hectares remain. They are rich in herbs many of which are declining and threatened plus a wide range of invertebrates many of which are reliant on the plants either for their larval or adult stages. We are fortunate in having nationally important site such as Kingombe Meadows and Golden Cap Estate that have large areas of unimproved grassland but most sites are now small and isolated within the wider countryside making movement between sites difficult.
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Other related assemblages:	Species of fen-meadows and rush-pastures Species of species-rich scrub and scrub edges Species of species-rich hedges and hedgebanks
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Pressures and Threats	
PA04	Removal of small landscape features for agricultural land parcel consolidation (hedges, stone walls, rushes, open ditches, springs, solitary trees, etc.)
	The general intensification of agricultural in the countryside has removed those small-scale features that formerly produced a heterogeneous landscape. The loss of soft edges, wet corners of field and ponds have hastened the decline of many species.
PA05	Abandonment of management/use of grasslands and other agricultural and agro-forestry systems (e.g. cessation of grazing, mowing or traditional farming)
	Changes from a single mid-summer hay cut to multiple silage cuts that begin earlier in the season resulting in a decrease in ground-nesting birds, and many invertebrates such as bees and bumblebees that require flower-rich grassland for nectar and forage.

PA07	Intensive grazing or overgrazing by livestock
	Continual intensive grazing can have a negative impact of grasslands by severely limiting the amount of flowers that are used by many invertebrates for nectar and pollen, and also destroys the structure of sward which again is very important from invertebrates.
PA08	Extensive grazing or under-grazing by livestock
	Under-grazing can lead to a loss of species, particularly those smaller herbs that are out-competed by larger faster growing plants and coarse grasses such as cock's-foot and false oat-grass. There is also build-up of litter and eventually there will be encroachment scrub.
PA13	Application of natural or synthetic fertilisers on agricultural land
	The application of artificial fertilizers or regular spreading of slurry favours quicker growing grasses and the few herbs that can tolerate fertile soils, at the expense of most herbs of natural grasslands that require nutrient-poor conditions. They are also detrimental to most grassland fungi.
PI03	Problematic native species
	Bracken, bramble and ragwort are the most likely species to impact on the swards of semi-natural grassland by replacing herb rich turf typically from the field edges.
PJ03	Changes in precipitation regimes due to climate change
	Recent years have seen in changes in weather patterns for example droughts in successive springs and wetter late summers both of which can adversely affect the habitat. Warmer weather in autumn means a longer growing season therefore grazing regimes have to be altered accordingly.
PK04	Atmospheric N-deposition
	Continual low-level deposition of nitrogen compounds has a fertilizing effect on grasslands favouring more competitive plants that are tolerant of more enriched soil. This can be compounded by under-grazing and climate change.

Micro-habitat assemblage: Grassland bees and bumblebees

Group	Species	Common Name	IUCN GB	IUCN Eng	IUCN other	Criteria	Threats / Pressures									
Bees	<i>Bombus barbutellus</i>	Barbut's Cuckoo Bee	.	n/a	LC	4	PA05	PA07	PA08	PA14	.	.	.	.	.	.
Bees	<i>Bombus bohemicus</i>	Gypsy Cuckoo Bee	.	n/a	LC	4	PA05	PA07	PA08	PA14	.	.	.	.	.	.
Bees	<i>Bombus humilis</i>	Brown-banded Carder Bee	.	n/a	LC	3	PA05	PA07	PA08	PA14	.	.	.	.	.	.
Bees	<i>Bombus muscorum</i>	Moss Carder Bee	.	n/a	VU(ERLB)	1	PA05	PA08	.	.	.	.	.	.	.	.
Bees	<i>Bombus rudarius</i>	Red-tailed Carder Bee	.	n/a	LC	4	PA05	PA07	PA08	PA14	.	.	.	.	.	.

Micro-habitat assemblage: Invertebrates of species-rich neutral grassland

Group	Species	Common Name	IUCN GB	IUCN Eng	IUCN other	Criteria	Threats / Pressures									
Moths	<i>Adscita statices</i>	Forester	LC	n/a	n/a	5	.	.	.	.	.	.	.	.	.	.
Moths	<i>Eupithecia satyrata</i>	Satyr Pug	VU	n/a	n/a	1	.	.	.	.	.	.	.	.	.	.
Moths	<i>Lygephila pastinum</i>	Blackneck	NT	n/a	n/a	2	.	.	.	.	.	.	.	.	.	.
Moths	<i>Tholera cespitis</i>	Hedge Rustic	VU	n/a	n/a	1	.	.	.	.	.	.	.	.	.	.
Moths	<i>Bactra lacteana</i>	Sedge Lance; Small Sedge Marble		n/a	n/a	4	.	.	.	.	.	.	.	.	.	.
Moths	<i>Eucosma parvulana</i>	Saw-wort Tortrix		n/a	n/a	4	.	.	.	.	.	.	.	.	.	.
Moths	<i>Epiblema cricicolana</i>	Fleabane Stem-borer; Fleabane Bell	pRDB	n/a	n/a	3, 4	.	.	.	.	.	.	.	.	.	.

Micro-habitat assemblage: Micro-moths of Dyer's Greenweed

Group	Species	Common Name	IUCN GB	IUCN Eng	IUCN other	Criteria	Threats / Pressures									
Moths	<i>Agonopterix atomella</i>	Greenweed Buff; Greenweed Flat-body		n/a	n/a	4	.	.	.	.	.	.	.	.	.	.
Moths	<i>Coleophora vibicella</i>	Large Gold Case-bearer				6	.	.	.	.	.	.	.	.	.	.
Moths	<i>Grapholita lathyra</i>	Greenweed Piercer		n/a	n/a	6	.	.	.	.	.	.	.	.	.	.
Moths	<i>Leucoptera laburnella</i> ssp. <i>wallesella</i>	Laburnum Leaf-miner		n/a	n/a	5	.	.	.	.	.	.	.	.	.	.
Moths	<i>Mirificarma lentiginosella</i>	Greenweed Smith		n/a	n/a	5	.	.	.	.	.	.	.	.	.	.
Moths	<i>Trifurcula biernei</i>	Greenweed Dot; Greenweed Pigmy	pRDB	n/a	n/a	4	.	.	.	.	.	.	.	.	.	.

Micro-habitat assemblage: Plants of ancient and unimproved meadows and pastures

Group	Species	Common Name	IUCN GB	IUCN Eng	IUCN other	Criteria	Threats / Pressures									
Plants	<i>Anacamptis morio</i>	Green-winged Orchid	NT	VU	n/a	1	PA05	PA08	PK04	.	.	.	.	.	.	.
Plants	<i>Botrychium lunaria</i>	Moonwort	LC	VU	n/a	1	PA05	PK04	.	.	.	.	.	.	.	.
Plants	<i>Genista tinctoria</i>	Dyer's Greenweed	LC	VU	n/a	1	PA05	PA08	.	.	.	.	.	.	.	.
Plants	<i>Ononis spinosa</i>	Spiny Restharrow	LC	NT	n/a	2	PA05	PA08	PK04	.	.	.	.	.	.	.

Micro-habitat assemblage: Fungi of ancient and unimproved grasslands

Group	Species	Common Name	IUCN GB	IUCN Eng	IUCN other	Criteria	Threats / Pressures							
Fungi	<i>Camarophyllopsis schulzeri</i>	Matt Fannvelt	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04				
Fungi	<i>Cuphophyllus colemanianus</i>	Toasted Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Cuphophyllus flavipes</i>	Yellow-foot Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04				
Fungi	<i>Entoloma bloxamii</i> s.l.	Big Blue Pinkgill	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Entoloma griseocyaneum</i>	Felted Pinkgill	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Entoloma porphyrophaeum</i>	Lilac Pinkgill	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Entoloma prunuloides</i>	Mealy Pinkgill	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Gliophorus reginae</i>	Jubilee Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Gloioxanthomyces vitellinus</i>		n/a	n/a	EN(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Hygrocybe aurantiosplendens</i>	Orange Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Hygrocybe citrinovirens</i>	Citrine Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Hygrocybe intermedia</i>	Fibrous Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Hygrocybe punicea</i>	Crimson Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Hygrocybe spadicea</i>	Date Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Hygrocybe splendidissima</i>	Splendid Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Neohygrocybe ingrata</i>	Dingy Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Neohygrocybe nitrata</i>	Nitrous Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Neohygrocybe ovina</i>	Blushing Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Porpolomopsis calyptriformis</i>	Pink Waxcap	n/a	n/a	VU(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Pseudotricholoma metapodium</i>	Mealy Meadowcap	n/a	n/a	EN(Eur)	1	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Microglossum olivaceum</i> s.l.	Olive Earthtongue	n/a	n/a	n/a	4	PA05	PA08	PA13	PK04	.	.	.	.
Fungi	<i>Trichoglossum walteri</i>	Short-spored Earthtongue	n/a	n/a	VU(Eur)	1, 4	PA05	PA08	PA13	PK04	.	.	.	.