

Nature Recovery in Dorset: Where are we now?

Imogen Davenport

Dorset LNP

Today

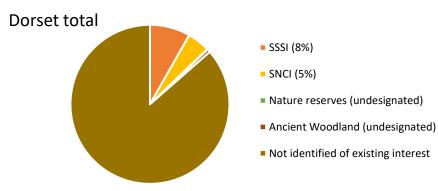
- Baseline
- Work so far
- Work underway or planned



Baseline

Baseline data: DERC (2021)

Without Ecological Networks







Dorset = Dorset and BCP council areas

Protected areas

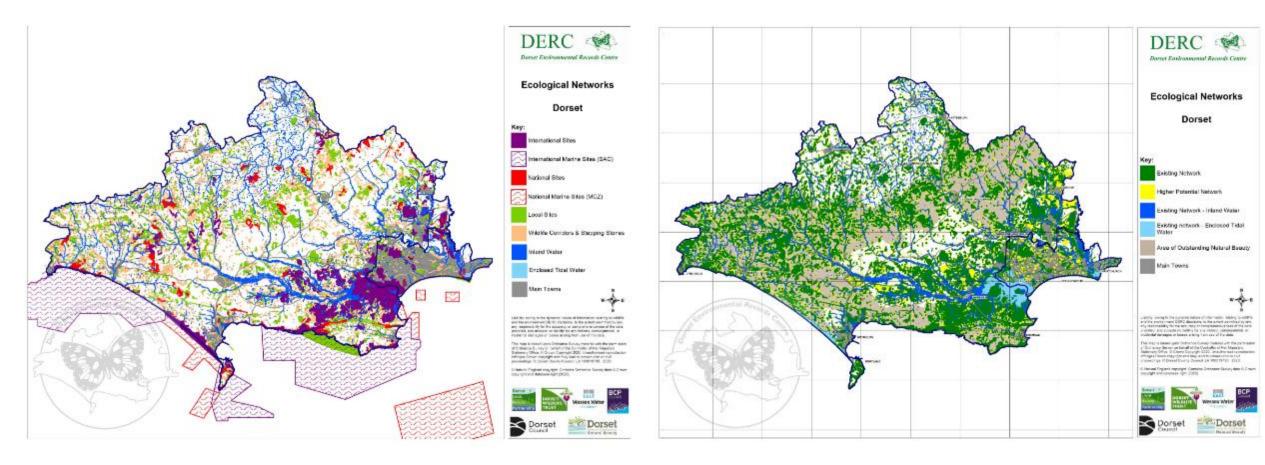
SSSI (8%)

SNCI (5%)

Dorset total

Dorset ***** Local Nature 1 Partnership

Ecological Network Mapping: DERC (2018 & 2020)





Terrestrial Biodiversity Audit: DERC (2021)

Dorset Important Species List

1 = species on the UK Biodiversity Action Plan Priority Species list or the Section 41 list (NERC Act 2006) or on Schedules 1, 5 and 8 of the Wildlife & Countryside Act 1981 (& amendments).

2 = species with the IUCN Threat Categories; **Critically Endangered**, **Endangered** or **Vulnerable**, or listed as **Near Threatened** or **Data Deficient**, or for <u>Birds</u> on the latest **Red** and **Amber** lists of Birds of Conservation Concern.

3 = species classed as **Nationally Rare** (found in 1-15 10 -km squares nationally) or **Nationally Scarce** (found in 16-100 10 -km squares nationally).

4 = species significant in a regional or county context. These can be species that are declining or rare within the County, or those for which Dorset supports a significant population within the region or nationally.





Purbeck Mason Wasp

Portland Sea-lavender



2,929	Species (1,107 on 2012 list)
424	Section 41 species
120	WCA species
396	IUCN Threatened (CR , EN, & VU)
186	IUCN Near Threatened
43	Global / European Red Listed
102	Nationally Rare species
1,289	Nationally Scarce species
432	Not seen since 1990



Podoscypha multizonata



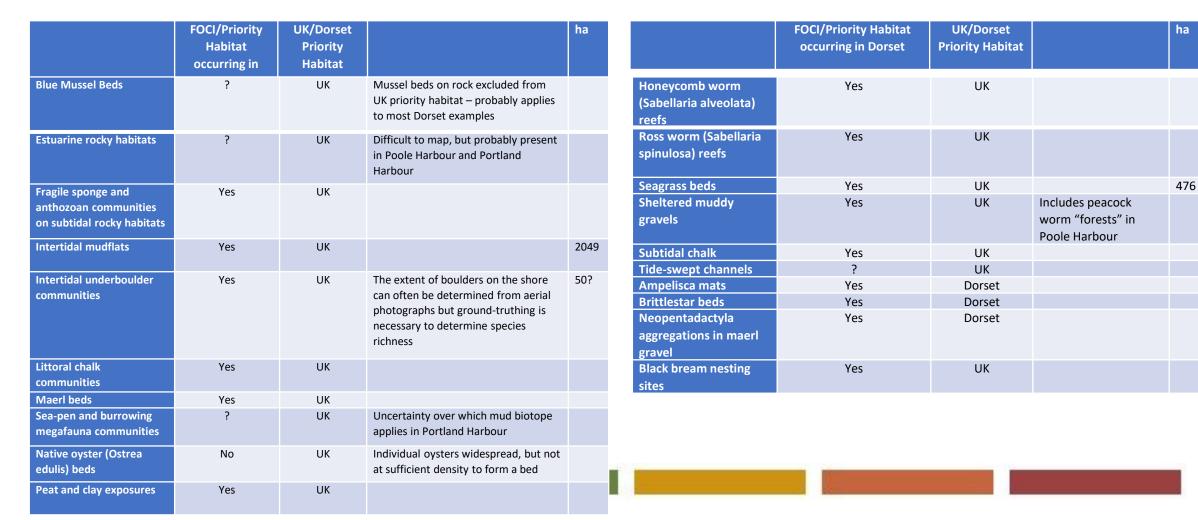
Early Gentian



Duke of Burgundy



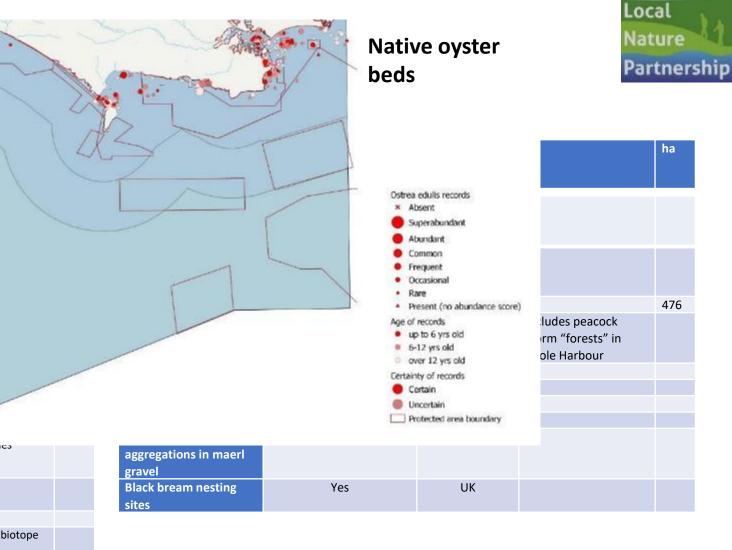
Marine Biodiversity Audit: DWT (2021)





Marine Biodiversity Audit: DWT (2021)

	FOCI/Priority Habitat occurring in	UK/Dorset Priority Habitat			
Blue Mussel Beds	?	UK	Mussel beds on UK priority habit to most Dorset e		
Estuarine rocky habitats	?	UK	Difficult to map, in Poole Harbou Harbour		
Fragile sponge and anthozoan communities on subtidal rocky habitats	Yes	UK			
Intertidal mudflats	Yes	UK			
Intertidal underboulder communities	Yes	UK	The extent of bo can often be det photographs but necessary to determine species richness		
Littoral chalk communities	Yes	UK			
Maerl beds	Yes	UK			
Sea-pen and burrowing megafauna communities	?	UK	Uncertainty over which mud biotope applies in Portland Harbour		
Native oyster (Ostrea edulis) beds	No	UK	Individual oysters widespread, but not at sufficient density to form a bed		
Peat and clay exposures	Yes	UK			



Dorset

Natural Value Report: Dorset LNP (2022)



NATURAL VALUE 2022 THE STATE OF DORSET'S ENVIRONMENT Dorset 💰 artners



Natural Value Report: Dorset LNP (2022)



NATURAL CAPITAL

fertile sof and productive land and

test to frash water and clean sir.

They provide vital services (often

called ecosystem services) such as

flooding spaces for recreation, and

the regulation of our climate.

We need to invest in our natural

intrinsic value, help to reverse the

FIGURE II LAND COVER CHANGE

Our natural assets (or natural capital) [ecological crists and help address are often taken for granted, ignored climate change issues in decision making or great lower

priority than social and economic Land use change goals, but they are essential for our Dorsat is recomited for its way of life. These assets provide

biodiversity and landscape quality. roods and services we rely on from with many national and international designations for both weldlife species and sites. This does not mean however that all our natural environment is in good health. As polination, natural protection against with many areas in the country, land use has changed over time and more of our land has been developed to meet population growth and the need for housing and food.

assuts, taking a natural capital approach when decision making Paura I shows that over time land 8.4. incorporating the impacts on use troes that tend to be more the environment from the output. widifs rich such as sourcal and so as not to erode the assets which calcareous erasslands and heathland undarpin our aconomy and quality of have been converted to improved Ife). This will enable greater benefits grassland, arable and urban use. to society, to our health and wellbeing which tends to be less wildlife rich and community rushance, and to The maps exclude most of the BCP our economy, to deliver a sustainable Council area as this was not within future and be an economic driver. the original 1930 map. This will also conserve and enhance our natural environment for its own

Boursemouth Cirierally (2019)

Landscape

Over 52% of Dorset's high-quality landscape to designated as Areas of Outstanding Natural Beauty (AON Approximately 42% of Dorset is covered by the Dorset.AONE with 1,129km² and it the fifth largest of the 46 AONBs in the UK. A furthe 278km² is covered by the Cranbox Chase AONB (29% of the AONB is within Dorset). These sreat are dasgnated for their beauty but an living, working areas so developme is not prohibited but needs to be appropriate, for example using loca stone or versacular desire.

in around 2000 the area of fragment hasthland (areas lass than 25ha and >500m from neighbouring heathland blocks) in the south Purbeck area w approx 230ha. Pollowing restoratio work (between 2000 and today). including reversion from conflat, improved pasture, arable, quarries e to lowland hasthland lacid grassland, fragmentation has been reduced to around 145ha, a reduction of some

Wildlife

Nationally, blodiversity is in decline and between 1970 and 2 was a significant declin avarage abundance of i and freshwater indicate and a 5% decline in ave distribution. Of 8,431 s nationally, 15% are three extinction, and 2% are

The Dorset Blodversh 2021⁹ licts 2,920 terres freshwater species and species of conservation Dorset (species that a threatened, protected, actinct in the county).

Table I demonstrates (priority habitata known in Dorset, for most of t area is not known.

Table 2 sets out the are terrestrial priority habit area. The total area of p is some 19,900ha and 8 1 State of Mature (2019)

* DERC (2021) * DWT (2020)

	UK/Dorset	UK/Dorset		
	Priority Habitat	Arealha		
Fragtie sponge and anthonoan communities on subtidal rocky habitats	UK	unknown		
Intertidal mudifiata	UK	2049		
Intertidal underboalder communities	UK	Ectivated 50		
Littoral chalk communities	UK	unknown		
Maeri beds	UK	unknown		
Past and day exposures	LK	unknown		
Honeycomb worm (Sabellaria olyeolate) reefs	UK	unknown		
Koss worm (Sabeilaria spinulesa) reals	UK	unknown		
Sangran bada	UK.	476		
Sheltered modely gravels	UK	unknown		
Subtidal chaik	LK	unknown		
Ampeiloca mato	Dorset	unknown		
Brittlestar beds	Derset	unknown		
Neepostadactyle aggregations in maeri gravel	Dorset	unknown		
Black bream nesting sites	UK	unknown		

TABLE 2: PRIORITY HABITATS IN DORSET 2020

1 2017 ¹ , there				
e of 13% in the 676 torrectrial	Priority Habitat	All Dorset Area (Ha)	DC	BCP
or species	Coastal Floodplan & Grazeg Marsh	655	Area (F1a)	Area (Ha)
	and the second			
species assessed	Coastal saltmansh	476	276	100
estened with siresdy extinct.	Coastal sand dures	93	90	3
	Coastal vegetated shingle	101	100	0
ny Audit stral and d 157 marine in concern in re rare, scarce, declining or the marine in to be present there the notal	Lowland beach and your	24	24	0
	Lowland calcarwous grassland	3,296	3,266	0
	Lowland dry acid graceland	66.7	565	78
	Lowland fero (excluding Valley mires)	47	45	2
	Lowland fens (Including Valley reines)	665	656	,
	Lowland hasthland	5,529	4,669	860
	Lowland meadows	702	663	38
	Lowland mixed deciduous woodland	4,401	4,259	112
	Maritime citif and slope	670	470	0
	Fonds (of High Ecological Quality)	7	7	0
ta coverad by tat within the priority habitat s about 7.4%	Parpia moor grass	532	500	22
	Reedbeds	289	272	18
	Sales Lagooes	511	511	0
	Traditional Orchards	67	67	0
	Wat woodland	585	553	32
	Wood pasture and parkland	590	590	0



Natural Value Report: Dorset LNP (2022)



Local Nature Partnership

Dorset

© Stewart Canham

Work underway or planned

- Data / evidence mapping
- Biodiversity Character Area Mapping
- Stakeholder Communications Plan
- Wider engagement once guidance published



Thank you

info@dorsetInp.org.uk

www.dorsetInp.orguk

