

Exmoor National Park State of the Park Report

Monitoring Framework and Data Sources

1. Special quality: *Large areas of open moorland providing a sense of remoteness, wildness and tranquillity rare in southern Britain*

What do we want to know?	Indicators	Source	Frequency of data updates	Other Data Sources
Are moorland areas less open?	Amount of swaling undertaken	ENPA Swaling review	Annual	State of Farming on Exmoor report 2015
	No. of wild fires reported (and area burnt)	ENPA Swaling review	Annual	
	Levels of stock on sole occupancy moorland (SOM) and common land	SWUF Farm survey 2014	Periodic	Natural England figures for amount of grazing permitted
	Changes in vegetation cover	ENPA Moorland mapping project	2017 Periodic	Moorland bird surveys (2008 & 2014) included vegetation cover and height
Do moorland areas feel more / less remote and wild? Are they less tranquil?	Landscape Character Assessment	ENPA	2010 & 2017	
	Number / area of Moorland Units where the visual impact of fencing and infrastructure are affecting the character of the Unit	ENPA	2010 & 2015	Moorland Units
	Number of visitors whose visit included stargazing	Visitor survey 2012 & 2014	Every 2 years	
	Traffic levels	ENPA AMR	Annual	
	Perceptions of tranquillity	Perceptions Study	2011 one-off survey	ENPA Public Opinion Survey 2017
Are moorland areas in better or worse condition? What are the main issues affecting moorland condition?	Moorland management review	Dave Boyce (2017)		
	Landscape Character Assessment	ENPA	2010 & 2017	
	Maintenance, Restoration or Creation of Moorland under Environmental Stewardship	NE indicator	Annual	
	Number of moorland units with agreed action plan and integrated objectives	ENPA - PP measure of success	Annual	
	Moorland SSSI condition	NE	Periodic	
	Moorland bird survey	RSPB	6-yearly (2008, 2014)	
	Heather beetle survey	Heather Trust 2014		
	Area of peatbog rewetted Improvements to moorland, biodiversity, carbon storage, water storage and quality recorded through Mires monitoring programme	Exmoor Mires project	Annual Periodic	

2. Special quality: *A distinct and diverse landscape of softly rounded hills and ridges, with heather and grass moors, spectacular coast, deeply incised wooded valleys, high sea cliffs, fast flowing streams, traditional upland farms and characteristic beech hedgebanks*

What do we want to know?	Indicators	Source	Frequency of data updates	Other Data Sources
Is landscape character getting stronger or weaker for the different landscape areas/types? If weaker, then what is causing this?	The condition of Exmoor's landscape character types is perceived as changing / stable improving/declining	LCA	Periodic	NE National Character Area profiles Perceptions study ENPA Public Opinion Survey 2017
	No. of Landscape Character Types where strength of character is reported as increasing/ same/ declining	LCA 2010 & 2017	Periodic	
	% of visitors attracted to Exmoor by the landscape	Exmoor Visitor Survey	Every 2 years	
Is seascape character being retained?	The condition and strength of character of seascape character areas	North Devon and Exmoor Seascape Character Assessment		
Are distinctive landscape features being enhanced,	Length of hedgerow managed / restored	Exmoor Landscape Conservation Grant Scheme	Annual	

degraded or lost? e.g. hedgebanks, notable /veteran trees, orchards, farmsteads, barns	Hedgerow and In-Field Trees Managed under ES	NE	Annual	
	Number & % of veteran trees on Exmoor at risk	ENPA		
	Number of orchards & number lost / created	ENPA Orchards survey	Periodic	

3.Special quality: A timeless landscape mostly free from intrusive development, with striking views inside and out of the National Park, and where the natural beauty of Exmoor and its dark night skies can be appreciated.

What do we want to know?	Indicators	Source	Frequency of data updates	Other Data Sources
Is landscape character being eroded by intrusive development or unsympathetic / lack of land management?	Number of and scale of developments (telecommunications masts, agricultural barns, wind turbines)	AMR (ENPA planning data)	Annual	Adjoining Authorities planning data
	Landscape character forces for change	LCA 2017		
Are dark night skies being eroded by increased lighting?	No. of lighting conditions attached to planning permissions within the National Park	AMR (ENPA planning data)	Annual	Dark Skies Reserve Annual Report
	Light pollution levels and % pristine dark skies	CPRE Night Blight maps		
Are key views being affected by vegetation growth or development?	Changes in vegetation height affecting key views	ENPA vegetation monitoring report 2017		Height of vegetation assessed as part of Moorland Birds surveys
Opportunities for landscape character enhancement	Length of intrusive power cables undergrounded	WPD	Periodic	LCA
	Length of moorland fences removed	Moorland Units 2010 & 2015		
	No. of traditional signposts restored	Histoirc Signposts Project		

4.Special quality: A mosaic of habitats supporting a great diversity of wildlife including herds of wild red deer; rich lichen communities, rare fritillary butterflies, bats and other species uncommon in southern Britain

What do we want to know?	Indicators <i>Core indicators in red</i>	Source	Frequency of data updates	Other Data Sources
Are habitats in good condition? What are the main issues affecting habitats condition?	% of broad habitats in SSSIs in: (i) favourable (ii) unfavourable recovering (iii) unfavourable declining condition <i>% Local Wildlife Sites in good condition</i>	NE	Annual	Review of Local Wildlife Sites 2014
	Impact of invasive species - area of Knotweed controlled - area of Himalayan balsam pulled - area of rhododendron controlled	ENPA	Periodic	
	Plant health – outbreaks of phytophthora and other diseases	Forestry Commission	Annual	
Woodland	Area of woodland cover	Forestry Commission /ENPA	Annual	FC survey National Forestry Inventory Unlocking Exmoor's Woodlands report
	No. of Tree Preservation Orders	ENPA		
	Area and % of woodland (conifer/broadleaved split) • under active management • un-managed	Forestry Commission /ENPA	Annual	
	Area and % of ASNW in positive management	Forestry Commission /ENPA	Annual	
	Hectares of restoration of plantations on ancient woodland sites (PAWS) and open habitat	Forestry Commission /ENPA	Annual	
	Area of new woodland planting	ENPA	Annual	

Farmland	Low intensity grassland	NE		Exmoor Natural Environment Record Species records
Coast / sea cliffs	Coastal & marine species records			Shoresearch project
Rivers and streams	Length and % length of monitored rivers <i>achieving</i> 'good' or 'high' ecological status (under the Water Framework Directive)	EA	Annual	Exe Electrofishing reports (WRT)
	Length & % length of monitored rivers <i>expected to achieve</i> 'good' or 'high' ecological status by 2015	EA	Annual	
	No. of recorded water pollution incidents on Exmoor	EA	Annual	
	Riverfly monitoring	EA		Riverfly reports (RETA) ENPA Riverfly monitoring
	Otter populations	Somerset Otter Group		
Are species populations stable / increasing? Is the diversity of species declining?	Status of priority species populations ie steady/ increasing/recovering	Various sources		
	% of key species whose status is stable or increasing			
	Number and density of red deer	Red deer survey	Annual	
	Populations of high brown and heath fritillary butterflies	Butterfly Conservation		
Are priority habitats increasing / declining? How connected are habitats?	Area of priority habitat within the National Park	NE		Review of Local Wildlife Sites (2014) Moorland Bird survey info on habitat
	Low Input Grassland Managed, Restored or Created under ES	NE	Annual	
	Area of peatbogs re-wetted	Exmoor Mires Project	Periodic	
	Hectares of restoration of plantations on ancient woodland sites (PAWS) and open habitat	Forestry Commission /ENPA	Annual	FC survey National Forestry Inventory Unlocking Exmoor's Woodlands report
	Map of Exmoor's ecological networks	SWT		
Has people's understanding and engagement with Exmoor's wildlife increased?	% Visitors whose understanding of Exmoor's wildlife has increased during their stay	Exmoor Visitor Survey	Every 2 years	ENPA Public Opinions Survey 2017
	% Visitors motivated to visit Exmoor by its wildlife	Exmoor Visitor Survey	Every 2 years	
	No. of volunteers involved in wildlife surveys	ENPA		

5. Special quality: A complex and rich historic landscape that reflects how people have lived in, used and enjoyed Exmoor over the past 8000 years, including prehistoric landscapes and monuments such as burial mounds on ridges and discrete stone settings, ancient farmsteads, hamlets, picturesque villages and historic estates

What do we want to know?	Indicators	Source	Frequency of data updates	Other Data Sources
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Are heritage assets at risk (from what?) Has their condition changed (worsened / improved)?	Number and % of Scheduled Monuments at Risk	HE	Annual	Exmoor Historic Environment Record Exmoor Moorland PALs monitoring condition report Listed Building Planning Data Conservation Area Appraisals Rapid Coastal Zone Assessment due 2015
	Number and % of Listed Buildings at Risk	ENPA	Annual	
	Number of traditional farmsteads	ENPA		
	No. of Conservation Areas	ENPA AMR PP indicator	Annual	
	No. of Conservation Area enhancement schemes undertaken			
	Number of heritage assets removed from 'at risk' registers	HE/ ENPA	Annual	
	Area of land under ES specifically for the management and protection of archaeological features	NE	Annual	
	Number of sites on the Historic Environment Record affected by development and number of applications refused	ENPA AMR	Annual	
Impact of development / change on the character of settlements	LCA	Periodic	Conservation Area Appraisals	
Are heritage assets accessible for people to learn about and enjoy? Has our understanding about them increased?	Number & % of users who said their knowledge / understanding of heritage had increased as a result of their visit	Exmoor Visitor survey	Every 2 years	
Public engagement in heritage	% of visitors motivated to visit Exmoor by its history / culture	Exmoor Visitor survey	Every 2 years	
	No. of participants on community archaeology events (including no. young people engaged)	ENPA		
	No. volunteers engaged with heritage activities	ENPA		

6. A deeply rural community closely linked to the land with strong local traditions and ways of life

What do we want to know?	Indicators	Source	Frequency of data updates	Other Data Sources
Is the population stable / increasing / declining? What is the age profile?	Population trends	Census		
Are local people able to access housing on Exmoor?	Average house price to income ratio	AMR (ENPA planning data)	Annual	
	Housing completions (no. of units) affordable / market	AMR (ENPA planning data)	Annual	
	No. of second and empty homes at parish level	AMR (ENPA planning data)	Annual	
What are the main sectors of Exmoor's economy?	Number of businesses on Exmoor (and % less than 10 employees)	ONS (2013) UK Business: Activity, Size and Location, 2012 and additional analysis of IDBR data		Valuing England's National Parks 2015
	% of the businesses on Exmoor by sectors	ONS (2013) UK Business: Activity, Size and Location, 2012 and additional analysis of IDBR data		
	Turnover and GVA of businesses on Exmoor	ONS (2013) UK Business: Activity, Size and Location, 2012 and additional analysis of IDBR data		
	Average turnover per employee	ONS (2013) UK Business: Activity, Size and Location, 2012 and additional analysis of IDBR data		

What are the main sectors for employment on Exmoor?	Proportion of working age population economically active (full/part time; self-employed, unemployed, full time student)	ONS (2013) Characteristics of National Parks, 2011; and Census 2011 data	Periodic	
	Proportion of working age population economically active (retired, student, looking after home or family, long term sick / disabled)	ONS (2013) Characteristics of National Parks, 2011; and Census 2011 data	Periodic	
	Degree of self-containment (% of people living and working on Exmoor)	ONS (Census data)	One-off	
	Area of floorspace as employment use, created and lost	AMR (ENPA planning data)	Annual	
Are community services being retained on Exmoor?	Creation and loss of community services and facilities	AMR (ENPA planning data)	Annual	
	Distance of households from key services	AMR (ENPA planning data)	Annual	
	% of NP with access to superfast broadband	Connecting Devon & Somerset		
	No. of Mobile phone masts approved/installed within ENP	AMR (ENPA planning data)	Annual	
Are local traditions and ways of life being continued / maintained?	Value of game shooting to the Exmoor economy (Employment & GVA)	PACEC 2012		
	Number and area of developments for shooting purposes permitted and refused	AMR (ENPA planning data)	Annual	
	Value of red deer to the Exmoor economy			
	No. of hunts / hunting days	Hunts	Annual	
	Number of agricultural shows and local fairs within the National Park or serving it	ENPA	Annual	

7. A farmed landscape with locally distinctive breeds such as Red Devon Cattle; Devon Closewool, and Exmoor Horn sheep; and herds of free living Exmoor ponies

What do we want to know?	Indicators <i>Core indicators in red</i>	Source	Frequency of data updates	Other Data Sources
Is the land still being managed?	Number of active farmers (i) full time farmers (ii) part time farmers (iii) employees (P/T & F/T) & casual workers	Defra June Survey	Annual	Exmoor Review – Exmoor Society SWUF Farm survey 2014
	% of farmers intending to retire in the next 5 years	Defra June Survey	One off survey	
	Land tenure on commercial farm holdings (% owner occupied, tenanted)	Defra June Survey	Annual	
	Farm Business Income	Defra June Survey	Annual	
	% of farms with on-farm diversification	Defra Farm Business Survey data	Annual	
	Farm business characteristics (commercial, full / part time, hobby)	Defra Farm Business Survey data	Annual (Defra June Survey data)	
	Area and % of Utilisable Agricultural Area under agri-environment agreements	NE	Annual	
	Types of stock kept	Defra June Survey		
Average farm size	State of Farming Report 2015	One off survey		
Are numbers of local breeds increasing / decreasing/stable?	Numbers of breeding populations of local breeds	Breed Societies' registers Rare Breeds Society endangered list		SWUF Farm Survey 2014
Are numbers of Exmoor ponies increasing / decreasing/stable?	Number of ponies on the moors	Exmoor Pony Society		

8. An exceptional rights of way network, with paths that are often rugged and narrow in character, along with extensive areas of open country and permitted access, providing superb opportunities for walking, riding and cycling

What do we want to know?	Indicators	Source	Frequency of data updates	Other Data Sources
Is the condition of the RoW network improving/ declining/ stable?	Total length of footpaths, bridleways, other Rights of Way and permitted paths	ENPA	Annual	ENPA Rights of Way and Access Report (annual)
	Amount of new access land or RoW / permitted paths agreed	ENPA		
	% ROW open and easy to use	ENPA	Annual	
	RoW maintenance undertaken	ENPA		
	Visitor satisfaction with RoW / facilities / information	Exmoor Visitor survey	Every 2 years	
Is the area of open access increasing/decreasing/stable? Is it accessible (e.g. vegetation)?	Extent of open access land	ENPA		
	Amount of paring undertaken	ENPA		
Are numbers of people walking / riding / cycling increasing/decreasing/stable	Activities undertaken during visit – short/long walk, riding, cycling	Exmoor Visitor survey	Every 2 years	
Other recreational activities undertaken on Exmoor	No. of large scale events on Exmoor	ENPA		
	No. of visitors going sightseeing	Exmoor Visitor survey	Every 2 years	
Accessibility for people of different abilities?	User feedback regarding easy walks	ENPA		
	Distance of “accessible” footpaths	ENPA		
	No. of promoted routes with detailed information about accessibility	ENPA		
	Path survey (widths, furniture, signage)	ENPA		

9. A landscape that provides inspiration and enjoyment to visitors and residents alike

What do we want to know?	Indicators <i>Core indicators in red</i>	Source	Frequency of data updates	Other Data Sources
Do visitors / residents perceive landscape character to be changing / stable; improving / declining?	The condition of Exmoor’s landscape character types is perceived as changing / stable improving/declining	ENPA Public Opinion Survey	Periodic	LCA Landscape Perceptions study Exmoor Visitor Survey
Are people inspired by the landscape?	Visitor numbers and value of visitor spend (total number of visitor days)	STEAM	Annual	
How many visitors come to Exmoor & how many are influenced to come by the landscape/ wildlife/ historic environment?	Total Number of staying / day visitors			
	% of people who are motivated to visit the NP by its landscape, tranquillity, wildlife, heritage	Exmoor Visitor survey	Every 2 years	
	Trend in public awareness of Exmoor (awareness of Exmoor before visit)	Exmoor Visitor Survey	Every 2 years	
	Awareness of Exmoor in National Polls	ENPA		
What are the levels of satisfaction with their visit in relation to the SQ?	Visitor satisfaction (overall)	Exmoor Visitor survey	Every 2 years	
Are levels of understanding of the SQ increased as a result of people’s visit?	% of visitors whose understanding of the SQs (wildlife, landscape, culture, history) has been increased during their stay	Exmoor Visitor survey	Every 2 years	
	Number of users of ENPA “promoting understanding” services (total attendance at public events)	ENPA		
	Evaluation of increase in participants understanding through ENPA delivery of walks, events and activities	ENPA		