



Nature Recovery Shropshire and Telford & Wrekin

Summary of the Shropshire
and Telford & Wrekin Local
Nature Recovery Strategy.

Draft for public consultation, July 2025

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This document summarises the Shropshire and Telford & Wrekin local nature recovery strategy (LNRS), which aims to restore and enhance biodiversity across the county by driving better coordinated, more practical and focused action and investment. You can read the strategy in full and explore the interactive map, case studies and appendices online at: <https://next.shropshire.gov.uk/environment/shropshire-and-telford-wrekin-local-nature-recovery-strategy>



Why we need a strategy for nature recovery

Nature has intrinsic worth that goes far beyond its usefulness to humans. But it also provides us with the things we need to survive – clean air, water and food – as well as a whole host of other direct and indirect benefits, like flood management, crop pollination, shade for livestock, cooling in urban areas and carbon storage.

Shropshire and Telford & Wrekin has a rich and varied landscape. The county is home to rare and important species like Pine Marten, Curlew, Pearl Mussel, Noble Chafer and Twaite Shad, and has many special areas that are protected under national and international designations – including the Midland Meres and Mosses Ramsar site, the Shropshire Hills National Landscape and 111 Sites of Special Scientific Interest.

But as in the rest of the UK and around the world, nature in Shropshire and Telford & Wrekin is under pressure. Habitats are increasingly fragmented and depleted, species are in decline and under threat, and the natural systems that we rely on are becoming less biodiverse (and less resilient as a result). In our 2024 survey, **78% of people told us they were concerned about the current and/or future state of nature in Shropshire and Telford & Wrekin.**

A major cause of species decline is habitat loss, fragmentation and degradation. This is often due to land use changes – for example, urbanisation, the shift to more intensive agricultural systems and, to some degree, afforestation. But climate change and other threats, like pollution and disease, also affect biodiversity.

The continuing rise in global temperature is disrupting the timing of natural events, like hibernation and egg laying, and causing more frequent and more extreme weather events such as flooding and drought – both of which are problems in Shropshire and Telford & Wrekin.



Changing temperatures, weather patterns and pollution are creating habitat conditions that are detrimental to certain species (such as nutrient-sensitive lichens) and favour others – including pathogens, pests and invasive non-native species, which further threaten local nature. In Shropshire & Telford and Wrekin, Grey Squirrel, deer, American Mink, American Signal Crayfish and Himalayan Balsam are particular problems for local species and habitats. And, like the rest of the UK, the county is also affected by avian flu as well as ash dieback, acute oak decline and other tree and woodland diseases.

Nature recovery delivers wide-ranging and interlinked ecological, economic and health and wellbeing benefits. For example, providing green space in urban areas helps to lower temperatures in towns and cities, increases the value of nearby houses and flats,¹ delivers cleaner air and other proven physical and mental health benefits,^{2,3} and provides wildlife with an important stepping stone between habitats, helping to slow or even halt species decline.

Local nature recovery strategies establish and map priorities for action in places where efforts will make the most difference. They focus on the areas between existing pockets of good nature to create more, bigger, better and better connected habitats⁴ and must reflect local priorities while also contributing to national environmental targets (such as '30 by 30').

We need to take urgent action to help nature recover, and everyone can do something. **Local people and communities are at the heart of successful nature recovery.** They know the land best, they are long-term stewards, and they care. The LNRS offers options and guidance to make sure that nature recovery efforts are as effective as they can be.

Taking coordinated and strategic action for biodiversity is not a new concept in Shropshire and Telford & Wrekin. By using evidence to identify the best options for nature recovery in particular locations, the LNRS aims to be a tool for people, organisations and communities to build on past projects, focus ongoing efforts and drive action across the county.

Box 1: What is the LNRS?

The local nature recovery strategy (LNRS) for Shropshire and Telford & Wrekin is one of 48 statutory LNRSs that together cover all of England. It is made up of:

- a written strategy document
- a spatial map showing priority areas for nature recovery



Opportunities for Shropshire and Telford & Wrekin

Local priorities and opportunity areas

The LNRS maps out priorities and suggested actions for recovering or enhancing biodiversity in Shropshire and Telford & Wrekin, both in terms of habitats and species. It is accompanied by a map, which shows the county's Existing Nature Network and the Opportunity Network – areas where action for nature could make a significant difference.

The LNRS for Shropshire and Telford & Wrekin identifies 16 priorities and 51 actions for Shropshire and Telford & Wrekin, as well as important species and species assemblages (see tables). Here, we highlight the key opportunities.

Box 2: How was the LNRS developed?

The strategy is the culmination of an extensive and collaborative effort, guided by a Steering Group and involving many different people and organisations – from local authorities, environmental organisations and community groups, to landowners, farmers and technical experts. Shropshire Council is the authority responsible for developing the LNRS, supported by Telford & Wrekin Council and Natural England.

Key opportunities

Farmers, farming and managed land

Farmers, landowners and land managers are essential to any nature recovery effort, but they are especially important stakeholders in the LNRS for Shropshire and Telford & Wrekin given that 84% of the county's total land area is farmed land.⁵

Over the past century, farmers have had to adapt to shifting government policies, as well as changing climates and seasonal patterns. They have a track record of innovation and are already working with nature in mind. This strategy aims to support and build on these efforts.

Many of the opportunities for Shropshire and Telford & Wrekin are opportunities for farmers and farmed land. Approaches that support nature recovery can also help farm businesses. For example, reducing inputs like pesticides and wormers can bring down

costs; planting and restoring hedgerows can benefit livestock; and creating ponds builds resilience as droughts become more regular. Other opportunities include wetter farming, which is being [trialled on peatlands in North Shropshire](#), and agroforestry, for which there are numerous options within the Environmental Land Management Scheme.



Safeguarding insects

Arguably, the biggest impact that we can have is to reduce the pesticides in the environment and safeguard insects as a food source.

Pesticides don't just affect the weeds and pests they target; they also lead to the decline of invertebrates, meaning less food for insect-eating birds and mammals and disruption to essential pollination services. During times of high rainfall or flooding, pesticides can contaminate local water sources through runoff from fields, lawns and other land, too.

Many farms are already reducing their use of pesticides and herbicides by using an [integrated pest management](#) approach. When used strategically, in rotation and on a whole-farm basis, environmental options (like cover crops and faecal monitoring) reduce the need for inputs (and associated costs), boost biodiversity, enhance soil structure and water attenuation, mitigate flooding and muddy runoff, and improve the quality of food produced.

Connecting the landscape

The break-up of habitat has a significant impact on species and makes nature recovery efforts more difficult. But there are practical ways in which we can reconnect the landscape. Hedgerows – both new and existing – offer excellent opportunities for nature recovery. Already a quintessential feature of the Shropshire countryside, networks of tall and wide hedgerows provide important habitat and links between ecosystems.

Established hedgerows can be managed to benefit nature (e.g. through rotational cutting) and new hedgerows can be incorporated relatively easily, benefiting livestock and arable production without taking up too much land. We can also adapt how we manage roadside verges and railway embankments, using these existing connections through the landscape to create long linear corridors for nature.

Managing water

Residents of Shropshire and Telford & Wrekin may be all too familiar with flooding, but many of the county's rivers also have low flow issues, affecting the supply of drinking water and water for irrigation as well as biodiversity within and outside of

water bodies. Shropshire and Telford & Wrekin supports a wide variety of water body habitats – from freshwater streams, rivers, lakes and ponds to peatlands, flushes and fens. But the condition of water bodies and catchments is generally poor, and this impacts the biodiversity they support.

Many actions for nature also have potential to deliver natural flood management, water quality improvements or both, and can provide multiple other benefits. For example, the restoration of peatland or other natural habitat close to watercourses could improve flood water storage and build in drought resilience. Reinstating hedgerows and creating riparian buffer strips on farmland close to watercourses could limit soil erosion and nutrient runoff during heavy rain.

The [Severn Valley Water Management Scheme](#) is investigating options for nature-based solutions upstream of Shrewsbury, to reduce flooding in the town, and the Shropshire Groundwater Scheme is used to augment the river at times of low flow, alongside large reservoir releases. There are also ongoing cross-industry catchment partnerships and catchment-sensitive farming schemes, which are supporting actions to address both flooding and drought issues throughout the county.



Planning and development

Shropshire and Telford & Wrekin is mostly rural, but there are built environments and urban landscapes throughout the county supporting human settlement and economic activity. And, like other councils, Shropshire Council and Telford & Wrekin Council have a duty to provide new homes and associated infrastructure.

Urban development in general has a negative effect on the environment, as rural and natural ecosystems are damaged or replaced by artificial surfaces to create built environments and amenities. But urban areas are not nature deserts; in Shropshire and Telford & Wrekin, there are green and blue spaces such as gardens, golf courses, ponds and parks. If thoughtfully planned and implemented, development in certain circumstances can present opportunities to increase the overall benefit for nature.

Long-term restoration plans for minerals extraction present particular opportunities (see page 8), and development to mitigate and manage the risks we face from climate change – like installing solar panels and wind turbines – can be done alongside nature enhancements. For nature benefits to be realised, long-term outcomes need to be

agreed and planned for from the outset of any development project or change in land use. Thinking about nature as an afterthought will not mean decisions are any quicker or easier and won't maximise benefits for nature or communities.

The LNRS is not a planning designation itself but can help developers and local authorities to identify opportunities to enhance biodiversity. And, by integrating LNRS in local plans and policies, local authorities – including town and parish councils – can reap the multiple benefits of nature recovery and align with other agendas such as climate adaptation, flood resilience and public health.

Public authorities must use LNRS maps and priorities to inform site allocations and planning decisions. While current local planning policy for Shropshire and Telford & Wrekin does not refer directly to LNRS, future iterations will be required to do so. Developers must comply with existing planning policy that requires them to build with nature in mind and have a legal duty to contribute a '[biodiversity net gain](#)' (BNG) when developing land. Developers and landowners will qualify for a 15% 'strategic significance' uplift in BNG units if they create or enhance habitat in line with LNRS priorities, within LNRS priority areas.



Restoration to semi-natural habitat

Plantation on ancient woodland sites

Plantations on ancient woodland sites (PAWS) are areas where former ancient semi-natural woodlands were cleared and replanted with non-native coniferous trees. Shropshire and Telford & Wrekin has a number of PAWS, which cover 2689 hectares within the Shropshire Hills National Landscape alone⁶. PAWS retain complex soils, seed banks and microhabitats developed over centuries, and are often home to ancient and veteran trees – like those on Wenlock Edge. Restoring PAWS to semi-natural woodland is high-impact, cost-effective and policy-aligned, and it enables income generation from the sale of timber.

Former coalfields, quarries and industrial areas

Shropshire and Telford & Wrekin was central to the Industrial Revolution in the late 1700s. The county has a rich and varied geology, which includes deposits of coal, sands, gravels and rock, and extensive industrial and extraction activities were widespread here until the mid-20th century. The county's industrial heritage is visible in its landscape: mines and pit mounds, former factories and works, spoil heaps and quarries, depressions and exposed rock, which all provide potential site for nature recovery. Some of these areas have already evolved into rich mosaics where nature can thrive – either through deliberate regeneration (like Lightmoor, Granville Country Park, Dawley Hamlets, Llanymynech Rocks, Pam's Pools and Dolgoch Quarry) or being left to revegetate naturally.

Planting trees

In farmed landscapes

There are numerous agroforestry options within the Environmental Land Management Scheme, which could present opportunities for businesses to incorporate more trees into their grazed or cropped land areas – providing income and increased resilience to climate changes. There are also grants for natural regeneration of woodland, whereby woodland is established simply by installing fencing to exclude grazing near adjacent sources of tree seed; this can work well in less productive areas.

In urban areas

Tree planting in urban areas can help to address heat stress, air pollution and health inequalities, presenting an opportunity for local authorities and developers to meet social and environmental goals. Any tree or woodland planting should follow the 'right tree, right place' principle.



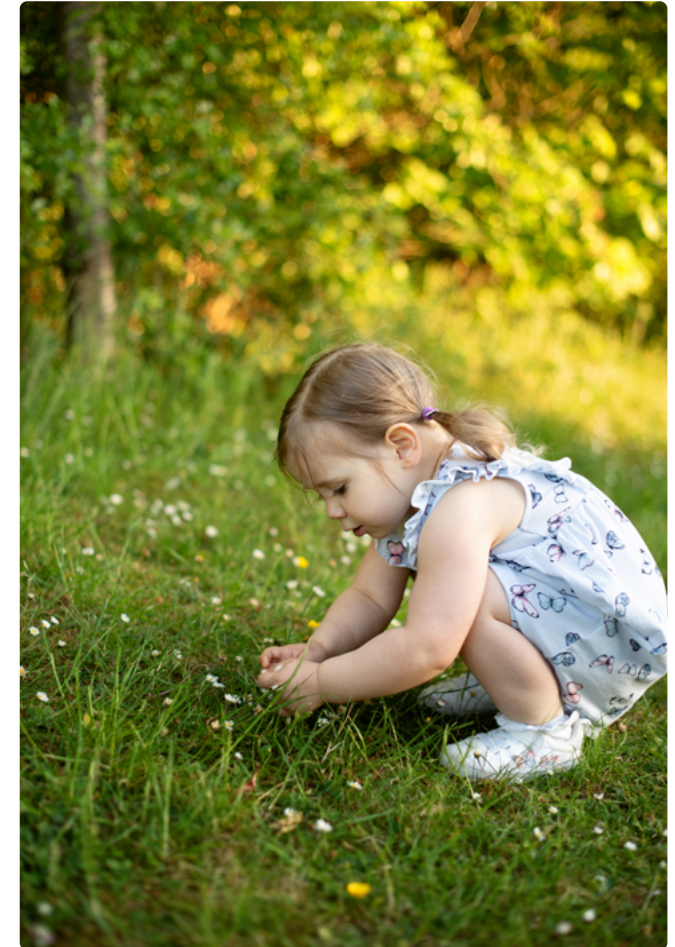
Working together

Across the county, there are well established networks of organisations, individuals and groups coming together to take action for nature. There are huge potential benefits from partnership working and collaboration – particularly when exploring different concepts and trialling approaches to test what works. Shropshire's rich and varied natural landscape reflects the care and commitment of its people. Farmers who have invaluable local knowledge and work with nature in mind, community groups who give their time to local green spaces, ecological recorders who track vital trends, strategic partners who collaborate on large-scale landscape projects, and individuals who spark action and inspire others.

*We all have a part to play.
And if we work together, we
can make a lasting difference.*

Box 3: Guiding principles for Shropshire's LNRS

- Action is broad, inclusive and long lasting
- Build with nature in mind
- Guidance, education and knowledge sharing strengthen the action we take together
- Habitats are diverse
- Land managers are empowered to choose solutions which work for them
- Multiple benefits are delivered
- Nature-based solutions lead the way
- Nature recovery works for everyone
- Production and nature work together
- Right habitat in the right place
- Special species thrive
- Water is key



Summary of LNRS priorities and actions

Habitat priorities and actions, by theme

Farmed land

#	Priority	Action	Code	Map
1	Enhance nature alongside food production	Establish farmer groups	A1.1	
		Enhance soil health and nature on arable land	A1.2	
		Enhance soil health and nature on pastures	A1.3	
		Create, restore and manage nature-rich farmland mosaics	A1.4	

Hedgrows

#	Priority	Action	Code	Map
2	Restore, enhance, expand and appropriately manage the hedgerow network	Restore and manage the existing hedgerow network	A2.1	
		Create more connectivity in the landscape by establishing new hedgerows	A2.2	



Water and wetlands



#	Priority	Action	Code	Map
3	Re-naturalise rivers and stabilise flows	Improve water quality	A3.1	
		Reduce both flood risk and low flows	A3.2	
		Remove physical barriers	A3.3	📍
		Restore streams and rivers to a more natural state	A3.4	📍
		Create, enhance and appropriately manage riparian buffers	A3.5	📍
4	Restore peatland and wetland mosaics	Restore existing areas of high-quality peat, fen and bog habitat	A4.1	📍
		Restore, connect and expand areas of wetland mosaic habitat	A4.2	📍
		Restore ability of catchment headwaters to 'act as a sponge'.	A4.3	📍
		Target regularly flooded land for wetland creation and grazing marsh	A4.4	📍
5	Create, restore and manage ponds, glacial pools and meres	Enhance existing ponds, pools and meres	A5.1	📍
		Create new ponds	A5.2	📍
6	Enhance canals for wildlife and people	Enhance canals for wildlife and people	A6.1	📍



Trees, woodlands and woody habitats







#	Priority	Action	Code	Map
7	Safeguard and enhance veteran trees	Identify, appropriately manage and safeguard the future of veteran trees	A7.1	
		Secure continuity of veteran trees in the landscape	A7.2	
8	Restore and expand nature-rich woodlands	Restore and expand nature rich ancient semi-natural woodland and long-established broadleaf woodland	A8.1	
		Improve condition of deciduous, mixed and wet woodlands	A8.2	
		Restore plantation on ancient woodland sites	A8.3	
		Create new woodlands	A8.4	
9	Restore and expand nature-rich woody habitats	Restore and expand wood pasture	A9.1	
		Restore parkland	A9.2	
		Plant and manage mosaics of scrub	A9.3	
		Establish new, and safeguard traditional, orchards	A9.4	
		Plant more trees in the farmed landscape	A9.5	

Grasslands


#	Priority	Action	Code	Map
10	Restore, connect and expand species-rich grasslands across the county	Set up infrastructure to support grassland restoration and creation	A10.1	
		Safeguard and enhance traditional hay meadows and other existing species-rich grasslands	A10.2	
		Create and restore species-rich grassland	A10.3	
		Restore grassland on roadside verges and alongside paths and tracks	A10.4	



Open habitats

#	Priority	Action	Code	Map
11	Restore, connect and expand heathland sites	Establish effective management regimes for heathland sites	A11.1	
		Restore heathland where geology allows to increase habitat connectivity	A11.2	
12	Increase the area of ffridd habitat	Enhance areas of ffridd habitat	A12.1	
		Create new areas of ffridd habitat to benefit a wide range of species	A12.2	
13	Enhance the wildlife value of open mosaic habitats	Create, enhance and appropriately manage close mosaics of open habitats on former coal, mining and post-industrial sites	A13.1	
		Enhance open mosaic habitats on brownfield sites	A13.2	
		Retain the wildlife value of scree	A13.3	

Built environment and amenity spaces

#	Priority	Action	Code	Map
14	Bring nature into towns, villages and amenity spaces	Integrate nature recovery within new developments	A14.1	
		Create wildlife-friendly gardens at homes and businesses	A14.2	
		Enhance wildlife value of multifunctional green space	A14.3	
		Effective water management in the built environment	A14.4	
		Reduce the adverse impact of light pollution on wildlife	A14.5	
		Increase canopy cover in the built environment	A14.6	



Invasive non-native species

#	Priority	Action	Code	Map
15	Reduce invasive non-native species across whole catchments	Prevent the spread of invasive non-native species	A15.1	
		Implement a targeted programme to reduce invasive non-native species	A15.2	

Public access, health and wellbeing

#	Priority	Action	Code	Map
16	Enable more access to and connection with nature for health and wellbeing	Enable access to nature-rich sites	A16.1	
		Create a more comprehensive network to enable active travel	A16.2	
		Enhance peoples' connection with nature	A16.3	



Species priorities

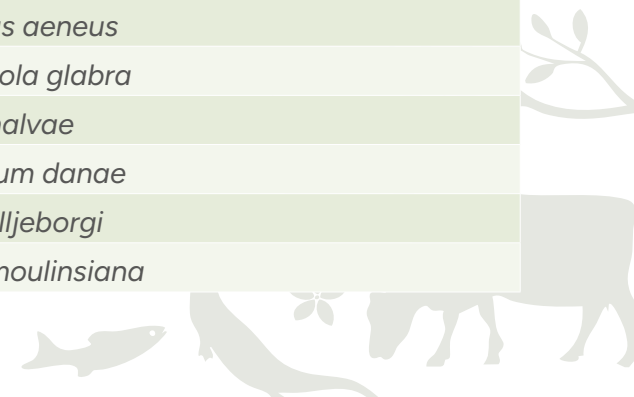
The LNRS for Shropshire identifies 25 individually named species and nine species assemblages that need specific actions or groups of actions beyond those identified under the habitat priorities. The methodology for identifying species priorities is set by the UK Department for Environment, Food and Rural Affairs (Defra).⁷

Species assemblages

- Deadwood species assemblage
- Woodland species assemblage
- Species reliant on arable land
- River species assemblage
- Species reliant on bog and other wetland habitats
- Plants requiring growing from seed for planting out
- Inland rock and open habitat species assemblage
- Species reliant on heathland and grassland mosaics, including ffridd
- Bat species assemblage

Individually named species

Taxon	Species	Scientific name
Mammal	Dormouse	<i>Muscardinus avellanarius</i>
Mammal	Hedgehog	<i>Erinaceus europaeus</i>
Mammal	Pine Marten	<i>Martes martes</i>
Mammal	Water Vole	<i>Arvicola amphibius</i>
Bird	Curlew	<i>Numenius arquata</i>
Bird	Dipper	<i>Cinclus cinclus</i>
Bird	Nightjar	<i>Caprimulgus europaeus</i>
Bird	Pied Flycatcher	<i>Ficedula hypoleuca</i>
Bird	Red Grouse	<i>Lagopus lagopus</i>
Bird	Swift	<i>Apus apus</i>
Bird	Wheatear	<i>Oenanthe oenanthe</i>
Bird	Willow Tit	<i>Peocele montanus</i>
Bird	Lesser Black-backed Gull	<i>Larus fuscus</i>
Plant	Green-winged Orchid	<i>Anacamptis morio</i>
Invertebrate	A hoverfly	<i>Cheilosia semifasciatus</i>
Invertebrate	Noble Chafer	<i>Gnorimus nobilis</i>
Invertebrate	Grayling Butterfly	<i>Hipparchia semele</i>
Invertebrate	Scarce Blue-tailed Damselfly	<i>Ischnura pumilio</i>
Invertebrate	Wall butterfly	<i>Lasiommata megera</i>
Invertebrate	Scarlet Malachite Beetle	<i>Malachius aeneus</i>
Invertebrate	Slender Mud Snail	<i>Omphiscola glabra</i>
Invertebrate	Grizzled Skipper	<i>Pyrgus malvae</i>
Invertebrate	Black Darter	<i>Sympetrum danae</i>
Invertebrate	Lilljeborg's Whorl Snail	<i>Vertigo lilljeborgi</i>
Invertebrate	Desmoulin's Whorl Snail	<i>Vertigo moulinsiana</i>



References

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2. Roger Ulrich (1984) View through a window may influence recovery from surgery. *Science* 224(4647): 224–225. <https://doi.org/10.1126/science.6143402>.
3. Mental Health Foundation (2021) [Nature: How connecting with nature benefits our mental health](#).
4. The 'more, bigger, better, better connected' approach comes from recommendations made by the 2010 'Making Space for Nature' expert review led by Professor Sir John Lawton, which continue to shape UK government strategy and policy – including [Biodiversity 2020](#) and the [Environment Improvement Plan](#).
5. Statistics from the UK Department for Environment, Food & Rural Affairs, '[Agriculture in the United Kingdom](#)', cited in Leo Smith (2019) *The Birds of Shropshire*. Liverpool University Press.
6. Shropshire Hills National Landscape, [Farmed landscape & woodland](#).
7. UK Department for Environment, Food & Rural Affairs (2023) *Species recovery within local nature recovery strategies: Advice for Responsible Authorities, Version 1 – August 2023*.

