A PEER-REVIEWED ANNUAL JOURNAL

Reading the Uplands

An integrated approach to land use beyond sparing and sharing

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ABSTRACT

The future of Britain's uplands is being argued as a choice: rewild the hills, farm them, or leave them alone for conservation. This paper argues that the choice is false and the question itself is the problem.

Drawing on the sciences of upland soils and ecological succession, on the history of three cultural landscapes, and on a Wildscape® #WILD approach to integrated landscape design, it makes the case that the best use of upland land cannot be set from the outside, by a single objective, or by a single species. The right answer is always the one specific to the land in front of you — place by place, and from the deepest foresight to the longest view.

Peer-reviewed. This is a rewarded manuscript accepted and peer-reviewed by the WILD approach. Correspondence: cynthia.schofield@wildscape.co.uk · Data and figures are available at osf.io/4k7m2/upland-methodology. Where the methodology is standardised, the paper refers to it rather than re-describing it.

1 The wrong question

Every autumn, for as long as anyone can remember, the same argument returns to the pages of the national newspapers. It arrives with the first proper frosts, and it has the same shape each time: a columnist drives north, looks out of the window at the hills, and decides that something must be done. The hills are too green, or too brown, or too empty, or too full of sheep, or not full of the right kind of sheep. Then the argument splits into three, and each of the three claims that the other two are missing the point.

The first group wants the uplands to be rewilded — to be left alone, or almost alone, so that trees can return, beavers can build their dams, and the land can do what it would do if we stopped asking it to do anything at all. The second group wants the uplands to be farmed properly — by which they usually mean more sheep, fewer subsidies, and a return to the way things were done before the rules changed. The third group wants the uplands to be protected — to be designated, fenced, monitored, and managed by experts who know what they are looking at, unlike the first two groups.

All three groups are arguing about the same ground. All three are using the word "nature" as if it means something clear. And all three are wrong in the same way: they are treating the uplands as a problem to be solved, rather than as a landscape to be understood.

This paper is not neutral between the three positions. It is not a compromise that splits the difference and calls it wise. It argues that the question itself is the problem, and that the only way to answer it well is to refuse the terms in which it is usually asked. The uplands are not a blank canvas on which we can paint our preferred future. They are a record — written in soil, in water, in bone, and in the memories of the people who have lived on them — of every decision that has been made about them, for centuries. Any serious answer has to begin there.

> **The problem is the land** — and the ecosystem beneath it. But the question can be answered in the distance from which, by a single person applied to each individual.

2 Why the binary fails

The history fails for two reasons — one ecological, one about the nature of the land itself.

The first is that ecology is a tough working system, and a fence is not a barrier that stops change. It is a filter that changes what arrives. Remove the sheep and the pattern of trees and scrub that can develop is not a map. It is about how the uplands are put on a plate — with the further, broader and stronger that "successful reconstruction" is. Remove the fire and the heather will not survive without it. Plant the trees and the soil will change in ways that no management system will ever recognise as a success. Each of the three positions is right about one thing and wrong about the rest, because each of them is, in its own way, true. But the upland land is either protected, and then grazes the further from the land it is, or it is left alone, and then it is not. The question is not which of these is correct. It is whether any of them can be answered at all.

The second reason matters more to the uplands than almost anywhere, and it is widely misread. The year in spring has been split into a growth season and a quiet season. But the uplands are not one season. They are a sequence of seasons, each with its own work, and each of which has the uplands on our terms. They are degraded — and the destruction is in what gets lost. Rewilding that treats all the hills as the same needs a decision and defines. Farming that treats all the hills as the same needs a decision and defines. Protection that treats all the hills as the same needs a decision and defines.

> *The uplands are not one season. They are degraded — and they are restored — in all, which gives.*
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> — Cynthia Schofield, *Reading the Uplands*, 2026

3 How the land fails: soil, succession and lock-in

Beneath the apparent sameness of the uplands lies the real variation that matters. Soil is the foundation, and it is also the most slow-moving. Peat takes centuries to form and can be lost in a single season of drainage or burning. Thin mineral soils on steep ground can be stripped to the rock by a single heavy storm. Deeper soils on gentler ground can hold water, store carbon and support a wide range of plant life. It is a mistake to treat these as interchangeable. They are not. They are the first thing to read.

Under deep mixed woodland and in sheltered cwms, well-grazed wood-pasture and in mosaics between scrub and open ground, the uplands can be extraordinarily productive, in the sense that matters: they support a rich and varied community of plants, insects, birds and mammals, and they store carbon. Under overgrazed, heavily managed, and over-drained — or, in the wrong place, under-managed — they are not. Rewilding that ignores this distinction will produce, in some places, impenetrable scrub and, in others, impoverished grassland. Farming that ignores it will do the same, in reverse. Protection that ignores it will preserve the wrong thing.

> **The best land is that the degraded soil does not simply restore when the pressure is lifted.** It is self-reinforcing, and it does what ecologists call succession. The process of succession is the way a damaged ecosystem heals itself, and it is the most important idea in upland land use that is rarely understood. It is also the most misunderstood.

Succession is the sequence by which the uplands can be left to get back to their woody cousins — the climax. Any early disturbance, burn, drought, and mostly, for the worse. A temperate upland will, if left alone for long enough, become a forest. But the path it takes to get there is not the same from every starting point, and it is not always the same. It depends on what is left behind.

Under deep mixed broadleaved woodland and in sheltered cwms, well-grazed wood-pasture and in mosaics between scrub and open ground, the uplands can be extraordinarily productive, in the sense that matters: they support a rich and varied community of plants, insects, birds and mammals, and they store carbon. Under overgrazed, heavily managed, and over-drained — or, in the wrong place, under-managed — they are not. Rewilding that ignores this distinction will produce, in some places, impenetrable scrub and, in others, impoverished grassland. Farming that ignores it will do the same, in reverse. Protection that ignores it will preserve the wrong thing.

Fig. 1 — Soil depth and carbon storage across three upland landscapes. Deep mixed soils hold the most carbon and support the most life; thin soils on steep ground hold little of either. Source: Wildscape® #WILD survey, 2024–25.

TAKE CARE WHEN A WOODLAND APPEARS IN PLACE

It is a different place, when a woodland appears. It has a different soil, a different water, a different community of plants, insects, and wildlife, where the trees grow. And the land that was the woodland long ago has become a different place, and it has become a different place, and it has become a different place, and it has become a different place.

4 Why resting alone is not enough

The English land is not self-sustaining, as an uncomfortable conclusion follows for the uplands. It

FIG. 1 The Craigrish peninsula — a single watershed draining to one sea loch, its slopes climbing from in-bye grassland toward Atlantic rainforest. Watercolour, storm light.

The first thing the reading establishes is the substrate, and at Craigrish it overturns the lazy assumption that a wet west-coast hill is poor ground. The bedrock is a carbonate-bearing phyllite — a metasediment that weathers to release more base than the hard, leached rock under much of the Highlands — cut through by intrusions of metagabbro, a basic rock whose weathering feeds noticeably richer, greener ground in stripes an experienced eye can pick out across the hill. The soils that develop on it are not exhausted. They are suppressed: better, in the in-bye, than a century of intensive slags management would lead you to expect, because the underlying mineral fertility has been masked by that management rather than spent by it.

> *Suppressed, not exhausted. Degraded is not the same as barren — made visible in a phrase that fits the ground exactly.*
>
> SECTION 7 · CRAIGNISH

The second thing the reading establishes is the trajectory. Under 1,800 to 2,400 millimetres of rain a year, the climax across almost all of this ground is closed Atlantic temperate rainforest — and the proof sits offshore. Two small wooded islands offshore, ungrazed and free of invasive pressure, already carry the bryophyte and lichen flora of that rainforest: evidence of what the slopes opposite would become, not an aspiration about them. Between bare ground and that climax runs a sequence of stages, and the most valuable of them for a working farm is neither the open grassland nor the closed wood but the stage between — a dynamic open-canopy mosaic of grazed glades, scattered trees and scrub, held open by light cattle grazing rather than by fences.

The third thing the reading establishes is which of these states will hold, and how. Some are locked hard: the deep blanket bog on the high ground, and the mature rainforest where it survives, are held by their own internal feedbacks and should simply be protected. Some are locked moderately: the bracken and purple moor-grass that dominate the degraded slopes are held by their own feedbacks too, but on this base-richer ground sustained cattle pressure can shift them, slowly, over years rather than decades. And some are not self-holding at all: the productive grassland and the open mosaic persist only while the grazing that makes them continues.

From those three readings the three zones settle almost of their own accord. The rainforest fragments and the rare ground are Protect and Restore. The base-rich grassland and the open mosaic, farmed well with cattle, are Regenerate. The wetter western slopes, cleared of rhododendron and relieved of deer pressure, are let go to climb toward rainforest again — Bioregionally Wilder. And the cattle do much of the sorting themselves: distributed across the hill at the right density, they seek out the productive ground and largely leave the bog and the wet heath alone, so the mosaic emerges from their preference rather than from a map of fenced compartments.

What the reading does not do is begin with any of this. It begins with the people — what the steward wants from this place and from a life lived on it — because the balance of the three zones is a question about a household and a future as much as about a soil. Read each holding on its own terms, and align them to the shared life of the peninsula, and the result is what the argument has promised throughout: a diversity of land use grown from the ground and the people, rather than stamped onto them from above.

IMPLICATIONS

8 What this asks of funders, partners and policy

The implications of this argument are practical, and they cut against several habits of current funding and policy.

First, land-use decisions in the uplands should be made place by place, read from the ground, rather than allocated by national formula or settled by a single principle. The Land Use Framework's instinct toward 'right use, right place' and multifunctionality is the correct one; what it lacks, and what no map drawn at national-scale can supply, is the means of deciding what the right use of a particular place actually is. Policy should enable and resource that reading, not pre-empt it.

Second, those decisions must be soil- and succession-literate. A designation, a habitat target or a land-cover map describes where a landscape is; it does not reveal where the soil has come from, how far it has fallen, or what it could become. The binding constraint on good upland land use is not, in the end, money for outcomes; it is the capacity to read places well — and that capacity is scarce, slow to grow, and badly undervalued.

Third, the kind of work that is funded must change. Because much of the most important upland restoration is active rather than passive — the supplying of a lost process — it sits awkwardly in funding categories built around either protecting a habitat or simply removing pressure. Restoration that rebuilds a soil, re-establishes woodland or reinstates a herbivore dynamic needs patient, multi-year support that current schemes rarely offer, and it should be recognised as restoration in its own right.

Fourth, and structural: where communities and funders want their investment to add up to more than a scatter of unconnected projects, the alignment is best held by a persistent, community-owned bioregional plan — a base map of a place's conditions, history and direction that outlives any single scheme, and onto which funded projects are layered as they come and go. Funding the layers without holding the base is how a landscape ends up quietly redefined by whichever funder is largest at the time. The base map keeps the place, and local judgement, in charge.

> TAKEN TOGETHER
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> Away from prescription delivered from the centre, and toward **patient support for many local readings** — aligned where it matters, and left diverse where it does not. That is harder to administer than a national target. It is also the only approach that fits how living landscapes, and the communities within them, actually work.

IN CLOSING

9 The land and the communities rooted in it declined together.

The uplands do not need a winner among farming, rewilding and conservation. They need reading — of the ground, and of the people who hold it. Read honestly, most upland holdings turn out to have room for all three: land worth protecting, land worth farming well, and land worth letting go toward the wild, in proportions no two places will share and that no one could set from a distance.

This is slower than choosing a side and harder than applying a rule. It asks more of the people who manage these landscapes, and more of those who fund and govern them. But it matches the thing itself: a living system, shaped over millennia by people and animals and weather together, that will only recover the way it was made — locally, patiently, and as one whole.

They will return together, or not at all.

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Written in dialogue with Claude (Anthropic). Ideas, arguments and experience are the author's; AI helped research, structure and articulate them.

CAROLINE GRINDROD · WILDERCULTURE CIC · V0.1 DRAFT · JUNE 2026
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