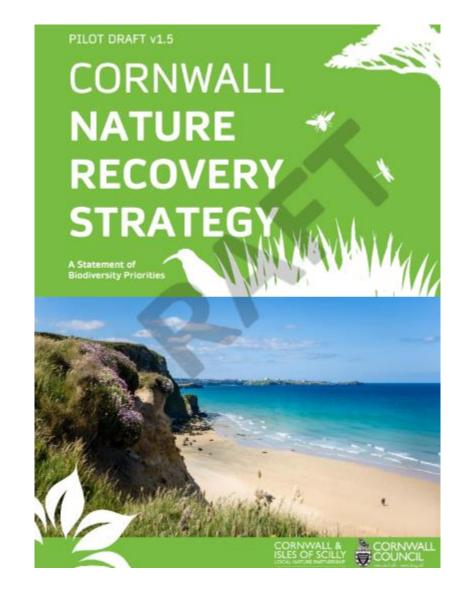


Chance to create a strategic framework for collaboration and delivery. Defra pilot.





EXECUTIVE SUMMARY

Work in partnership with one and all to deliver more, bigger, better and more joined up natural habitats... **VISION & PRINCIPLES**

...so that 30% of our land and seas are well managed for nature by 2030.

ENABLERS

NATURALLY FUNCTIONING **ECOSYSTEMS**

CONSERVE & REWILD

WIDER AND WILDER CORRIDORS

A DYNAMIC PATCHWORK WITH BLURRY BOUNDARIES

THE RIGHT HABITAT IN THE RIGHT PLACE

BRING SPECIES BACK FROM THE BRINK

THINK AT SCALE AND LONG-TERM MAXIMISE MULTIPLE BENEFITS BUILD WITH NATUREIN MIND

ENABLE FARMER & LANDOWNER CHOICE

REWARDS FOR

SUSTAINABLE

FARMING &

FISHERIES

PRACTICES

PRIORITIES



CORNISH HEDGES &

EDGES



WOODLAND AND ANCIENT WOODLAND



HIGH NATURE FARMLAND & WILDLIFE-RICH GRASSLAND



Zone 1:
Existing network
ENHANCE &
PROTECT

Zone 2:

Opportunity Areas

CREATE &

RESTORE

THE REST



LONG-TERM. PREDICTABLE RESOURCING

STRENGTHENED

DESIGNATIONS

& EXPANDED

LEADERSHIP &

EVIDENCE-BASED

DECISION-MAKING

STRONG



EFFECTIVE REGULATION & ENFORCEMENT

MONITORING



OUR COASTAL FRINGE

HEATHLAND

THREATENED

MOSAICS



SOILS



JRBAN GREEN SPACES



POLLINATOR HABITATS



land and at

sea

NATURE-FRIENDLY DEVELOPMENT



ACCESS IN THE RIGHT PLACES

DATA &



PUBLIC ENGAGEMENT. EDUCATION & COMMUNITY STEWARDSHIP



culture

COLLABORATION



SPECIES

INSHORE HABITATS & MARINE PROTECTED AREAS*



Flood drawdown resilience



Clean water



Pollination



Good soit & Erosion sediment status control



Food supply



Health & wellbeing



Heritage & tourism



NATURAL PUBLIC GOODS & SERVICES







Nature recovery is about enhancing and protecting our best nature-rich sites, and creating and restoring new sites where there is opportunity. This can have a range of ecological, economic and social benefits...

OLD MINE & GUARRY RECOVERY (p40)

GRASSLAND RECOVERY (p39)

THE ECONOMIC BENEFITS

- Greater productivity through a healthier, happier workforce and greater resource efficiency.

THE ECOLOGICAL BENEFITS

- threatened species and habitals.
- An abundance and diversity of wildlife and green spaces for healthle
- restored so that climate, hazards, disease and pesti remain within safe limits.



COASTAL RECOVERY (p43)

NATURE-FRIENDLY FARMING (p41)

WOODLAND RECOVERY (p33)

WATERCOURSE RECOVERY (p37)

HEATHLAND RECOVERY (p35)

HEDGE & EDGE

RECOVERY (p45)

THE SOCIAL BENEFITS



Carbon drawdown



Flood resilience



Clean water



Clean air





Pollination











Food supply



Health & wellbeing



sustainable tourism



Heritage & culture









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NATURE IN CORNWALL

Cornwall is almost an island - a peninsula extending out into the Atlantic, and distinguished from the rest of the country by the river Tamar to the east.

Nowhere in Cornwall is further than 24km from the with the sea – and a maritime climate of cool summers the gulf stream, mild winters, strong suity winds, and above average rainfall. It boasts a varied geology, diverse soils, and a wide range of habitats and Species as a result – from towars to tors, marshland to moortand, and our iconic Chough. Consequently, many areas are nationally and globally important conservation sites.

There are around 350,000 hectares of land in Cornwal (depending on the tide), and almost 200,000 hectares more of estuarine, intertidat and marine habitats in the more of estuarine, intertidat and marine habitals in the three miles out to sea. Cornwall hosts diverse habitals shaped by our history- from rugged grassy coasts and intertidal wetlands, to the wild expanses of moors and heaths, or the less natural settings of urban parkiand and hedge-bound farmland. With the wildlife they host, they make Cornwall a special and unique place.

Cornwall benefits from various forms of statutory environmental protection on land and at sea, along with our Cornwall and Tamar Valley Areas of Outstanding Natural Beauty (AONB) cover around a third of our landcover – with Cornwall AONB split into 12 Sections, and Tamar Valley AONB forming a large part of our border with Devon.

rural heritage, community and econom-Making up three quarters of land use, i covers semi-natural habitats like woodland and heath, man-made feature like orchards and ponds, and is dominated by tilled and cultivated fields with boundary ditches and hedges. Cornis an incredible network of natural highways that define

Comwall boasts a rich variety of features across its rugged and rolling inland terrain. Undulating plateau are scattered with small copses, rocky outcrops, and mineral-rich old mines and quarries across the rolling moorland spine and beyond. And it is surrounded by a coastal fringe of extensive unimproved grassland and heath, rocky cliffs, dynamic dunes, sandy beaches. sheltered coves and dramatic headlands

OVER 40 different habitat types

tree cover, including 2% of

y registered parks

ancient woodland cover

37 and gardens

of Cornwall is of high nature value (a Site of Scientific Interest or County Wildlife



ICONIC

species like the Cornish Chough and England's only resident population of bottlenose dolphins

of Corowall is within either Cornwall's or Tamar Valley's Area of Outstanding Natural Beauty

National Trust sites, including 1/3

of the coastline

Special Areas of Conservation Special Protection Areas

World Heritage Site hosting distinct metalliferous habitats

County Wildlife Sites overing -33,000 hectares

> of land in a nature reserve

sites of special scientific interest.

streams, they meander through much of the county. On their short journey to the sea they carve deep valleys and flood plains which boast a variety of reedbed, wet willow carr, marsh, saltmarsh, mudflat and ancient woodland habitats. Diverse wetlands of grasses, fens, mosses and rushes also host many birds and Wildlife Trust sites vital insect species; from red damselfly to the marsh fritillary butterfly.

> North Cornwall has a more open character; with high exposed cliffs, a general lack of tree cover, and more rugged wind-swept terrain and distinctive culm grassland in the east. The Camel, Gannel and Hayle rivers bear evershifting sandbanks at their mouths. And North Cornwall's rich mosaic of semi-natural habitats is home to iconic species such as seals, bats, otters, cirl bunting, Plymouth pear and shore dock.

A network of wetlands, watercourses and

estuaries from the Red River to the Fal also establish an intimate link between land and sea. Often arising high on the moorland as fast

The south of Cornwall exhibits more gently rolling scenery, gentler cliffs, and deep estuarine habitats or drowned valleys rivers with many steep rias home to broadleaved woodland and rich wetlands. Its milder climate is also marked by large, lush gardens with often frost-tender plants in its sheltered inlets.

Mineral rich, Cornwall's long history of mining means that we also enjoy many important habitats within post-industrial sites too. These nature-rich former mines and guarries are not just important aspects of our heritage, but also hotbeds of evolution as species mutate to flourish in their metal-rich habitats - and home to distinctive liverworts, hornworts and mosses.

The value for nature of less natural spaces for wildlife is also witnessed in the potential of urban 'green infrastructure' like our parks and wildflower-rich verges. Cornwall also retains an abundance of historical features intertwined with the natural landscape, including parks such as Caerhays and Lanhydrock. Similarly, its irregular medieval field patterns still define the layout of Cornish hedges - a green network that is a haven for insects, birds and small mammals

Our marine waters and our seabed are also an ecological hotspot, and linking us to the distinctive ecosystem of the Isles of Scilly. These waters host a rich mix of habitats like seagrass and kelp beds. It is also home to diverse species - from large migratory fish and shellfish, to seafans, jellyfish, seahorses, basking sharks, molluscs and large mammals like dolphins. Our ancient maerl beds are also the Cornish equivalent of a coral reef.

OVER 400

beaches, with 89 designated Bathing Waters



Blue Flag Beaches

48.000 km of Cornish hedges

of maerl beds

OVER

Heritage Coast

650KM

of coastline, including

254km designated as

of inshore waters in a Marine Protected Area

of coastal salt marsh



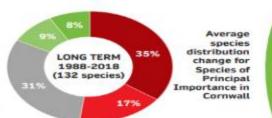
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THE STATE **OF NATURE**

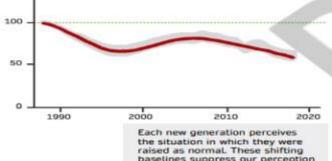
Nature in Cornwall is not as healthy as it seems, with many areas a green desert with little value for wildlife. Cornwall's first State of Nature report (Appendix 1) highlights key trends for our species and habitats within a generation. It uses data collected by our incredible network of citizen scientists.

The report finds that Cornwall mirrors national trends - with habitat fragmentation or loss causing a decline in the number and extent of species. This decline could accelerate further without tackling pressures, including climate change.

The 'richest' sites for wildlife are too few, too small, too degraded and too disconnected. This includes West Penwith, the Lizard, parts of the north and south coast, the clay pits regions, Bodmin Moor, the area around Bude and northern Cornwall, and the Rame Peninsula.







Estimated change in distribution of species of principle importance in Cornwall

> baselines suppress our perception of environmental degradation and lower our ambition. These graphs show information from a relatively limited time-span.





for indicator species in the UlCsince 1970



0 of 20











Nearly



Nearly

30% decline in farmland bird species in Cornwall (1994-2019)

Three fifths





150

CORNWALL'S VIEWS ON NATURE RECOVERY

In the engagement on 'The Cornwall We Want' in 2020, one of the most common themes was 'A cleaner, greener Cornwall with more space for nature' – and many saw tackling climate change and protecting the environment as their number one priority for the future.

Around 700 residents also engaged with us in late 2020 through our nature recovery surveys and workshops, including individuals, farmers, other businesses and organisations. The survey told us that...

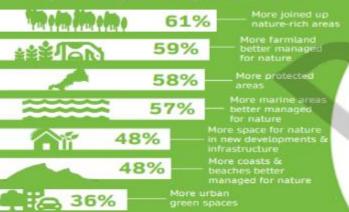
96% are concerned about

the current state of nature in cornwall

97%

are concerned about the future state of nature in cornwall

VIEWS ON WHAT WE NEED TO DO TO **BEST IMPROVE NATURE LOCALLY?**



Prolific and prioritised

More abundant, less disturbed. better managed, more natural. more active, less eroded.

Better protected. more abundant and diverse.

At the heart of strategy, policy and action

I would like nature in Cornwall to be...

Vast. protected, varied. unspoilt

II Recognised for its fundamental importance in a resilient and successful Cornwall

Wilder, more accessible, flourishing biodiversity and education around it and it's importance everywhere

Valued, conserved. better protected, rich & diverse.

Wilder and groomed

Not something that exists "over there, or on the outside" but is invited in, given space, and incorporated.

it is important for tackling climate change it has its own intrinsic value it protects Cornwall from natural hazards like flooding

it is important for our mental health and wellbeing it is important for Cornwall's heritage and sense of

I CARE MOST ABOUT NATURE BECAUSE...

it is important for our physical health and keeping

it is beautiful

it provides Cornwall with goods and services (e.g. food and raw materials)

It is important for education and skills

it is important for Cornwall's jobs and businesses

it matters to me spiritually

People who agreed or strongly agreed that nature has been important for...

Mental wellbeing 96%

Physical wellbeing

94%

According to Cornwall Wildlife Trust's July 2020 Nature In Lockdown Survey

Helping nature and wildlife to thrive was the most popular answer to our online climate change survey in 2019 on how Cornwall Council could help Cornwall become carbon





16%

CORNWALL NATURE RECOVERY STRATEGY

CORNWALL'S NATURE NETWORK

This section outlines a range of broad opportunities to make nature bigger, better and more joined up. These are opportunities that all of us can contribute to - including our land managers, farmers, communities and public bodies. We have distinguished two broad measures that can be undertaken for each opportunity - to 'Enhance & Protect* or 'Create & Restore'. We already have a network of nature-rich sites that we need to enhance and protect as a springboard for wider recovery. But we need to go further in creating and restoring more sites, extending them and connecting them with corridors to reverse the local decline in nature.

Our prototype mapping system Lagas (Cornish for f Exeter. It identifies existing and opportunity areas will cover more priority opportunities as we work towards our adoption of the strategy.

that will deliver the greatest biodiversity and ecosystem service benefits. There will be a palette of options for most places, so the maps are just a starting point rather than a prescription. Creating the specific assessment and steer from landowners.

ENHANCE & PROTECT THE BEST

Improve and current nature

CREATE & RESTORE THE REST

The best areas to extend and connect with

Up to 15% of area (prototype)

ZONE 3: WIDER **OPPORTUNITIES**

OUR PROTOTYPE recovery can NATURE RECOVERY NETWORK

Nature happen anywhere not just the core network

The other 60% of Cornwall's land area and opportunities at sea

CORNWALL'S NATURE RECOVERY AMBITION

We want to work in partnership with one and all playing a role to deliver more, bigger, better and more joined up natural habitats - so that at least 30% of our land & seas are well managed or left for nature by 2030.

NATURE RECOVERY PRINCIPLES

Nature recovery projects should aim to satisfy the following principles:



Work with natural processes and cycles - including making space for rivers to meander and coasts to evolve, and reducing inputs of pollutants.



Protect our most valuable places and buffer them as a springboard for recovery, and consider a mix of approaches spanning the spectrum from sustained active management to unmanaged natural regeneration of wilder sites.





THE RIGHT HABITAT IN THE RIGHT PLACE Ensure that created and restored habitats occupy the most climate resilient and

ecologically suitable sites, and they aren't to the detriment of other quality habitats or species.

BRING SPECIES BACK FROM THE BRINK

Consider the reintroduction of keystone species lost to Cornwall, and enable at risk species which can flourish to be more abundant and less disturbed - with patchworks of habitats that support their whole lifecycle.

THINK AT SCALE AND LONG-TERM

Consider implications and opportunities beyond the site, seek opportunities to collaborate, and plan to enable long-term stewardship for permanent change and effective monitoring (including through citizen scientists).

MAXIMISE MULTIPLE BENEFITS

Deliver nature-based solutions for wider benefits, to enable landscapes to be well managed or left to naturally draw down carbon, improve water and soil quality, limit flood and pollution risks, and serve wider health & wellbeing outcomes.

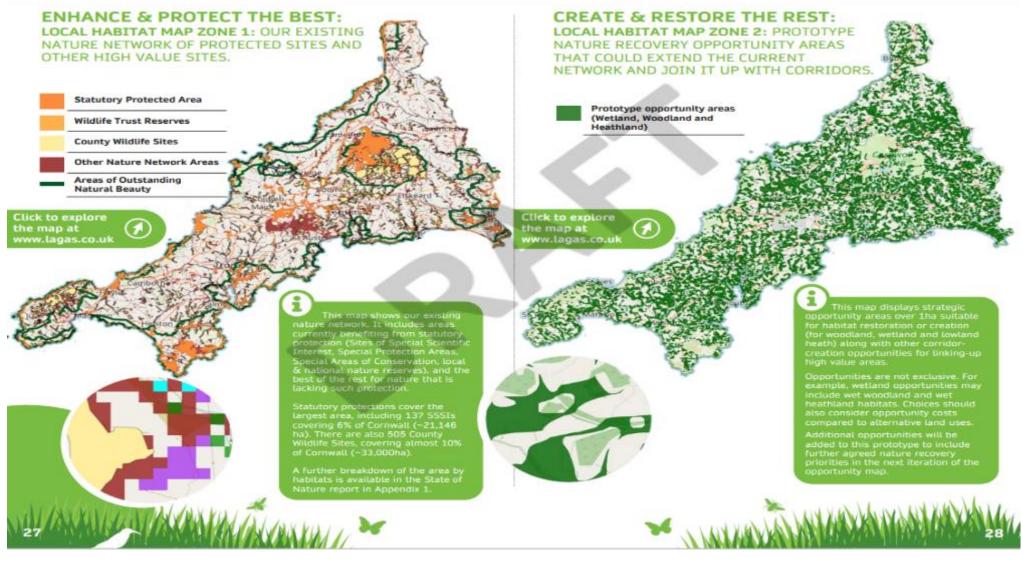
BUILD WITH NATURE IN MIND

Integrate nature into the built environment, including green infrastructure and sustainable drainage that is sustained long-term - and make space for nature to naturally adapt to a changing climate alongside settlements.

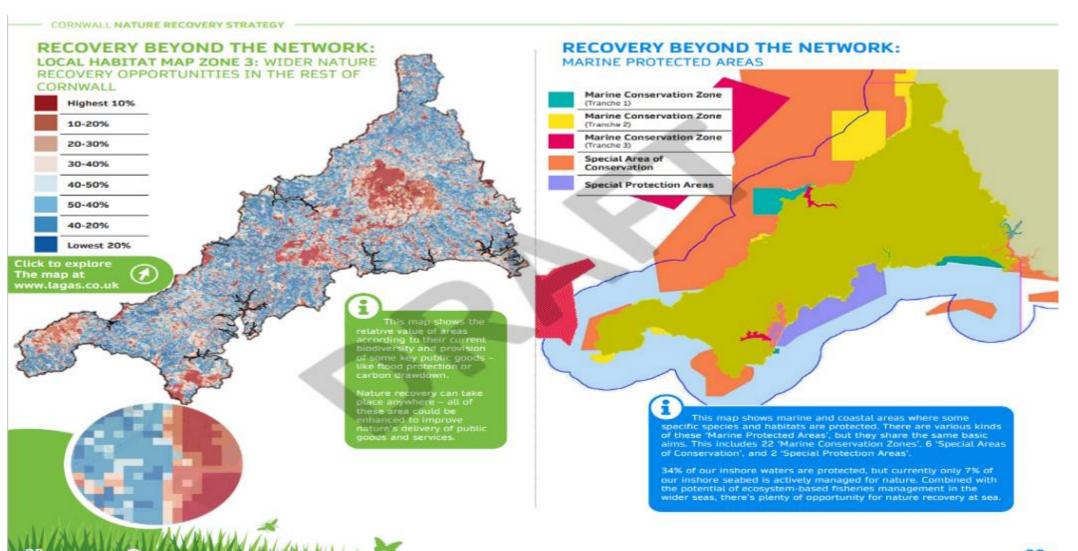
ENABLE FARMER & LANDOWNER CHOICE

Empower farmers & landowners to make informed choices based on their circumstances and site-specific assessments with a palette of evidence-based options.











HEATHLAND

land and infertile soil. This is ideal for heathland plants (predominantly heather), which support many distinctive plants, reptiles, birds, lichens and insects. But heathland has been other land uses or natural grassland; and heathland species. vulnerable to recreational

moorland and coastal fringe with colour. The largely treeless character of open landscapes in Penwith, Bodmin Moor and our coastal fringe yields acidic and low fertility soils, especially in our commonly characterises the stunning landscapes of our old mining and quarry sites. There is















FOR THIS WE NEED TO ...

- 1. Conserve, restore and connect fragmented heathland.
- 2. Boost the biodiversity of specialist heathland plant and animal species and their ability for climate-resilient migration, especially to support rare and at-risk birds, reptiles, and insects.
- 3. Manage the landscape mosaic of habitats, with space for natural regeneration but limiting excessive scrub, bracken, exotic plant and forestry encroachment in established sites.
- 4. Pre-emptively limit threats such as wildfires and atmospheric pollutants

HEATHLAND OPPORTUNITY AREAS



Good suitability

Medium suitability

Existing heathland



WIDER BENEFITS:

This might be achieved through a mix of approaches, including, but not limited to:

- · Large-scale restoration, including at old mine or quarry sites
- Further joining up and conserving the connectedness of the coastal fringe
- Creating space for heathland to expand inland
- Seasonally limit access to sites identified as important for breeding birds
- Pollinator-focused projects
- Projects to increase species abundance or support threatened species that can thrive.
- Grazing management, including on moorland and coastal areas.
- Naturalistic grazing, such as through the reintroduction of wild or semi-wild herbivores (e.g. cattle, Exmoor Ponies, or Bison)



Click to explore the map at www.lagas.co.uk

Where can you take action?

Our map shows the best opportunity areas. There will be a palette of options for most places, so these maps are a guide - not prescriptions. Creating the right habitat in the right place ultimately requires site-specific assessment for what works best on your land.



MATURE HELDWAYN PLAN (007) 2021 -

INSPIRATION

We can all get involved in naturals recovery, and there's planty of inspirational activity underway locally which could be replicated and scaled up to deliver on our ambitions. Our repairs scores and residents do increditive work for nature, whether in their armstones, offices or worker. Here are and a few organizated examples, from partnerships of public bodies, to community and partnerships and farm-layer action.





Calstock Flood Defence Scheme



outs Vest Notor's Oppinson This day project to a schome explains points where requires our group or produced in a contract of an analysis of an analysis of an analysis of a contract of an analysis of analysis of an analysis ecologists recorning cases, with form and land owners to introduce changes in and use - each at inducing tall authoritistic personners from entering rivers and streams.



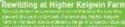
The Commwall Bearing Project the being business as education with His did gents age, incipring the part of the product of the Common the Common are the effects of Common Wild Product, the part of support and the effects of Common Wild Product, these learn hallow farm and the University of Common The Services are thousen in a 3 support and the Common the Common the Common are those to the support to the Common the Common the Common are those to a 3 support the the Common t The Connection of Contact, and Sections and Contact on a Section Process.

In the Contact of Contact on the Contact of Contact on the Contact

Penwith Landscape Partnership

Upstream Thinking

This community had partnership is a Lotters and Council A, edge, project that aims to see formers propper white protecting nature. Miss lots meaning trained commented and entrained global commented to the first leading to the commented to







FARMERS. **FORESTERS &** LAND MANAGERS



ZONE 1

Participancing yourself with the strategy should arrives a whose paratte of options which might be available to you. Here a fish of what tipperhability, minuted your

First open spreader and legan, are two other times easy as the less than allow a most file your contributions of legal action or take in the control and time of the control commonly of legal action or take in the control action proposed in an expoperation, and what is adjusted to use that that all one could near an among a control what is adjusted to our time that all one could near a manage, about one one and time and are all centring glute, my a prescription. Let use yet empression to explore it constructions are in they the control control action.

ess your site to understand which ortunities will work best for your land.

Evaluates what help to any year lenst. Though I ages to a helpful paids. positions are expressions yield process changes appeared and process of the commenced participation of pipe functions in the right injuries requires a rule commenced on functions about to actually Commence year only, applicatingly, and marking the amount of processions and validation function to the contract of a service of procession and validation function to the contract of the same contracts on and do not need to survive into finite such.

Consider Floor, can incorporate repensative practices into your pay-to-day management, and whether you could out thereing for mature receiving projects. Assumptions whether there are any obtained the copy for their yourst replacing with your resignations. For breakings recall projects.

Facility and obtaining due for their properties the approximation on your and travelling in our business and called the size of their properties. Before the properties of the contract of their size of their properties of their size of their properties of their properties of their size of their properties of their properties

PLANNERS & DEVELOPERS



BIODIVERSITY NET GAIN

Blodiversity Net Dain is designed to ensure that development waves nature in a measurably better state. than beforehend. Comvet Council is extendy using this for resion development. The ODTRA Blockwarsity Matric resource and scores the quality of healtats to determine whether a net gain it sufficient. Our Nature Recovery Network speed hats to sirect payabloment away from higher value land, and direct offsets for developments in Jone 3 towards nature recovery projects in the network.

these zones guide both strategic and admirations and arts planning decisions. The coner are size used to inform and priorities the type, quantity and quality of any offsetting required as sum of biodiversity has gain, the to be collocally managed shortly and which Comwait is currently equilying as an early acquire. The line trained that will make not go it manageday for as. development surject to restaurant because with a transplan period of the months.

20NL 1 - Our current nature network - this includes around 25% of land in Cornwell, DDTRA Matrix

20160 a - major opportunities for nature - a further 150% of tand where there are the best opportunities for creating, restoring and linking Zone 1 areas, DCFRA. NCTROC Huid plan 1.1.

20HC 3 - the largest area of Cornwall. Within this area development will be expected to continue to provide a net gain for tractal and contribute positively to nature recovery, DEFRA Hearic Nutsiation 1

The cares are based around the set gain cares on the Protelyer Lagos Mesoling Parist, with apportunity energies to be further refined so that we risk assisting metals. allocations or principle or party. These protects are Body to support development by providing a clear path for avoidance, retirigation and contact partial for impacts on the wildlife. Where not gate cannot be achieved an about as a fast result there will be a historial number by support projects identified as neture recovery priorities. by the strategy. This will be further conflied by the Breit. Connect Chinate Françoisey SPD which will entited the priorities of the Local Nature Recovery Natwork in site choice, design and layout.



PUBLIC BODIES

Read the strategy to understand the opportunities and priorities for nature recovery in Cornwall, including the wider benefits of nature recovery. Audit potential strategic alignment with your own strategies, policies, and practices for how you might embed nature recovery in your decision-making. Where relevant and within your remit, ensure that you are undertaking enforcement against actions that threaten or degrade nature. If you developing a business case, or undertaking procurement or investment, consider how they might embed or align with our nature recovery principles. If you own or manage land, explore the land management suggestions in this strategy alongside the maps on Lagas to see how it could contribute to nature recovery.

72



COMMUNITIES & BUSINESSES

Read the strategy to understand the opportunities and priorities for nature recovery

Kondonsing yourself with the closings should worst a whole potete of options which night be available to you. Make a list of what reaportur sits internet you.

Explore the maps on Lagas to identify the Strategic apportunities in your community.

Enter to an amount of other Lacan and sea what forms on your list look found to be processed and the processes of the control an apportunity area? What is adjected in your if of you can it kelpentrack, equal or por left Tresembox are a starting guide, soft a prescription - and you may wish to policy apportunities even if Frey're not shown to the more.

Assess your community spaces to understand which opportunities will work best for you.

Evaluate what pertraute your community and evalors if you have surpose previously for start one the text. Though Experie a height gains, putting the right buttors the right place requires out the seeding. You may with to your up with a <u>local proup</u> to develop a joint project, chase a new group, on engage your local towle on parish Council.

Develop an action plan for how to recise the opportunities, individually or collections in our other in your community. Take quickless from our solution recovery amington, consider how your projects regist be attended in the angle from, and their about now you about intended in one of the angle solution and their about now you could intended in applicatively according to the angle of the an

LNRS – a process for engagement, an opportunity to frame intent and accelerate delivery

- Engagement public, landowners, stakeholders
- Baseline and evidence
- Clear priorities
- Clear targets
- Focus on strategic enabling actions
- Spatial considerations
- Landscapes and species
- Urban and rural
- Marine included



