

Opportunities for sustainably managing the Dyfi's natural resources...to benefit people, the economy and the environment

Vol 2 – Opportunity Maps – September 2016



Vol 2 Dyfi vision, aims and opportunity maps

Purpose and status of this document

Vision and aims (including stakeholder's views)

Map No Topic

- 1 Opportunities to connect people to the outdoors, help communities become more sustainable and support health and tourism
- 2 Opportunities to maintain/ increase agricultural productivity, improve resilience and deliver public benefits
- 3 Opportunities to connect and improve the natural environment
- 4 Opportunities to improve the Historic environment
- 5 Opportunities to increase carbon storage, biodiversity and flood regulation
- 6 Opportunities to increase woodland cover and deliver multiple benefits
- 7 Opportunities to improve the water environment and deliver multiple benefits detail view
- 8 Opportunities to improve biodiversity, recreation/access and the water environment in the coastal are

The Purpose and status of the Document

Wales' natural resources provide our basic needs and give us energy, prosperity and security. They protect us and make us healthier and our lives better. A healthy resilient environment creates the conditions for a thriving and sustainable society. But evidence shows that our natural resources continue to be put under pressure from a variety of sources. We need to think and act differently, to manage our natural resources in Wales in a way which values and enhances them and the many benefits they provide. The Environment (Wales) Act and the Well-being of Future Generations (Wales) Act together create a modern legislative framework to bring this about. NRW is at the forefront of this with a new purpose under the Environment (Wales) Act to seek to achieve the sustainable management of natural resources (SMNR) and apply the SMNR principles in exercising all our functions.

To help Wales prepare for this new legislation, in 2014 Natural Resources Wales set up three natural resource management trials; the Rhondda and Tawe in South Wales and **Dyfi** in Mid Wales. Trialling the application of SMNR allowed us to:

- Learn how to apply SMNR and the nine principles at a local scale;
- Explore Wales' emerging natural resources priorities, described in Welsh Government's Natural Resources Policy statement;
- Test engagement, evidence and planning approaches which might be used to develop Area Statements, which are a key element of the natural resources planning framework and a requirement of the Environment Act;
- By sharing our learning, inform the developing Environment Bill and NRW's ways of working.

We deliberately took an open and flexible approach. From the outset, we involved the people who live and work in these places to identify priorities, risks, and opportunities for better management of the area. Generally people responded positively to our approach because they felt part of developing solutions. The trials led us into working with partners on some of the significant issues, which in the past were considered either too challenging or not within our remit. Each trial was based on a river catchment and, to maximise learning, was selected because of its different environmental, economic and societal circumstances. Whilst the scale of Area Statements remains to be decided it is now expected that they will cover a larger area than those of the individual trials.

In the Dyfi, we produced this document to outline the priorities for sustainably managing the natural resources in the trial area. This information is based on two years of working with organisations, community groups and residents in the area, extensive evidence gathering and knowledge sharing.

These documents are not Area Statements and are non-statutory (as the work preceded the Environment (Wales) Act). However, they provide a local framework for the Public Service Board, organisations, community groups, local business and people to use and refer to. They can be used by communities and organisations to work better together and deliver outcomes which deliver multiple benefits. They can encourage better working between partners by focusing resources on clearly identified opportunities and can also be used to support both local and landscape scale proposals for funding.

Meeting the Challenge – Vision

Having identified the key challenges the Dyfi faces the following vision was produced. We conducted a second workshop in autumn 2015 to agree the vision and key aims for the management of natural resources in the Dyfi.

'The Dyfi will be recognised for its natural beauty, thriving community, strong rural economy, linguistic and cultural identity and diversity of wildlife. Opportunities for tourism, recreation and education are well developed and managed within a robust environment that is able to withstand future change. The community recognises and supports the need to sustainably manage its natural resources for the benefit of people and environment of the Dyfi.

We then produced **6 aims** that will help us meet the challenges described above.

- Helping land based businesses become more resilient
- Connecting & improving the natural environment
- Improving the water environment
- Helping communities become more sustainable:
- Improving opportunities for people to connect with the outdoors
- Building capacity

The figures below show why stakeholders supported these aims and their ideas for achieving them.

Helping land based businesses become more resilient

We want to see resilient land based businesses that can withstand setbacks from economic or natural causes; are economically sound, environmentally responsible and contribute to thriving communities. **You said**



Connecting & improving the natural environment

We want to see a better managed and more connected natural environment that can provide the range of benefits described above. You said...

(uplands) Too long overgrazed Removal of alien conifer plantation from areas where they Protect important habitats by sheep. Where uneconomic have destroyed valuable habitats. Increase areas of Priorities peat should consider destocking/ broadleaf woodland to connect-up existing woodlands & land/grassland/hedgerows rewilding as an option. Move create more flower-rich grassland to a more natural, developing ecosystem Broadleaved woodland creation and Maintain management of sand dunes. management. Management and protection Land managers, farmers of other key semi-natural habitats Ensure farming and forestry practice is & gamekeepers believe Eradicate rhododendron modified to be more ecological sustainable predator control is key Protection and buffering from all natural / semito wild life management of protected sites natural & modified Enrolling public forest lands in to and is a bullet that habitats and encourage restoration projects particularly to should be bitten. The garden owners to destroy support strategic link - corridors- with **Connecting and** cosy idea that predators it! Eradicate invading other restoration projects have no effect on conifers onto open wildlife is wrong and has moorland improving the natural done huge damage to Threats from invasive species the valley's fauna and man made river developments (weirs/hydro environment Support restoration of PAWS electric) by NRW, especially in areas more accessible / visible to local communities Inappropriate planting of conifers. Record existing Intensive agricultural in uplands. woodland and state of Plant broadleaves, reduce sheep existing woodland. grazing, map existing woodland Mixed grazing Targeted action to improve Connect biodiverse assessing health, regeneration & priority species & habitats, e.g. should be areas diversity Plan for sea level rise encouraged blanket bog and birds such as marlins & hen harrier

Reduce grazing, increase trees and permanent planting (not just forestry) biodiversity and flood protection

Remove C.A.P. Payments for uneconomic grazing. Revert

to upland native forests

with managed retreat

There is too much emphasis on glamorous reintroductions of exotics & predators. Curlews, lapwing etc. partridge, blackgame & grouse were all present as breeding populations until the 60s/70s. Red squirrel were the norm until the early 60s. Why is there no programme to help them

return?

Improving the water environment

We want to see a reduction in pollution from land use activities and old mines; less flooding and a fewer barriers to fish migration. You said....

Increase areas of Flood Restoration of floodplain wetland Dumping rubbish at sea management Improve water quality should be unacceptable by addressing Scallop dredging too damaging Control Japanese upstream diffuse Knotweed & & destructive pollution Himalayan Balsam Manage the upland Fish populations in peat and forestry to If it doesn't reach the bottom of the streams and rivers are at [prevent] water run off hill, it wont flood the valley. Create very low levels, especially and [improve] Carbon wild areas non-migratory salmonoids Sequestration. More tree planting Less intensive farming Encourage better water Maintain existing flood at appropriate operations. Riverbanks often retention in uplands & management to a locations grazed / access to the water's mid-catchment satisfactory level ironment Identify upstream areas that Saltmarsh creation, Regenerate watercourse can replace [salt] marsh & Protection of banks, restrict grazing of Jet skis should be mudflats these banks lowland peat controlled Allow regeneration with native tree species (removing Sitka Spruce) and reduce drainage. River restoration projects, This will provide flood mitigation & particularly in lowland areas Create more biodiversity where historically straightened freshwater and Potential flooding due to the more brackish wetlands as efficient drainage in uplands and in Ditches on Borth Bog area could be sea level rises middle catchment, allied to weather managed better to help with flooding extremes issues

Helping communities become more sustainable

We want to see healthy, thriving communities using their natural environment, taking more exercise, having with a lower carbon footprint and eating more local food. **You said...**



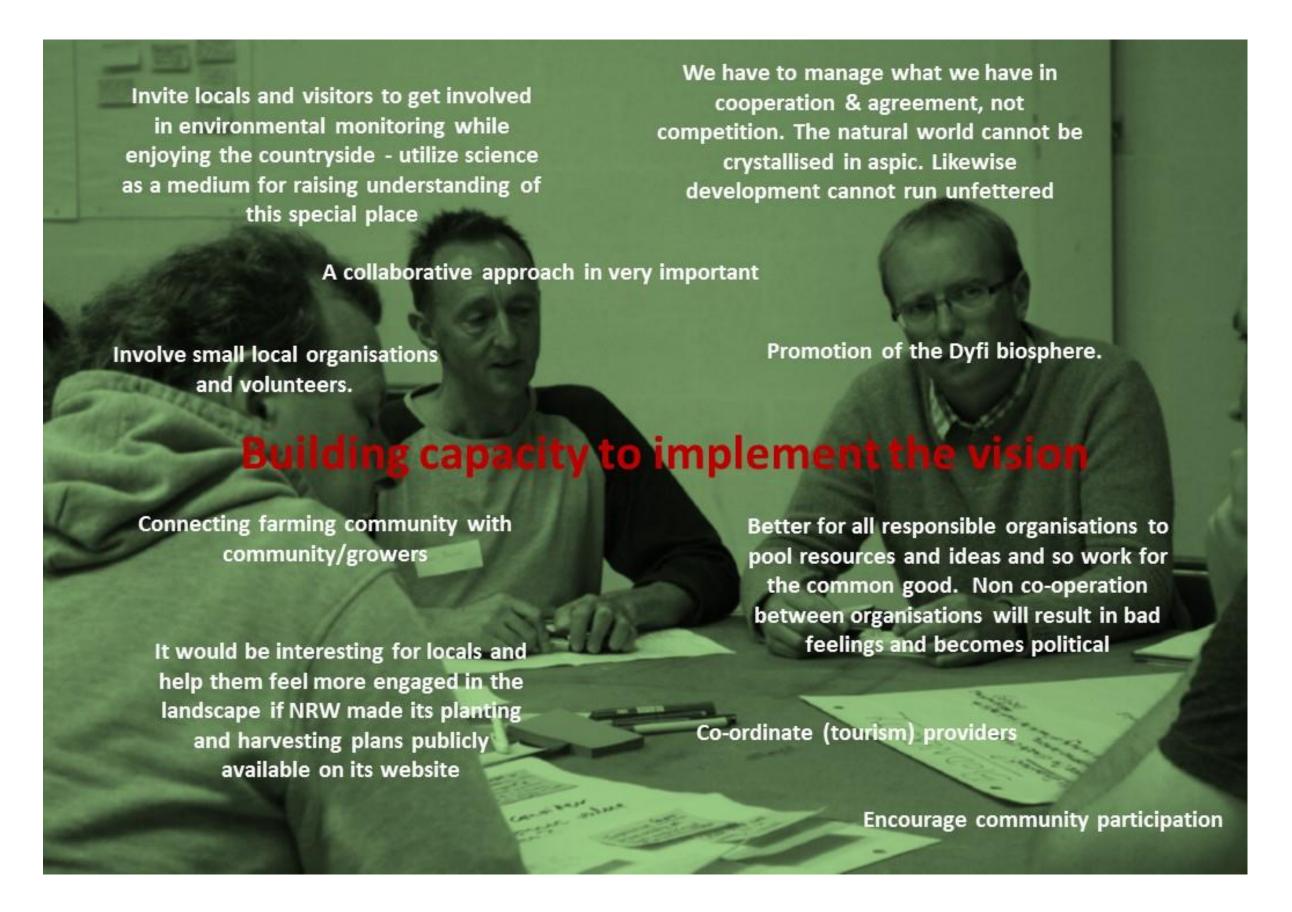
Improving opportunities for people to connect with the outdoors

We want to see better, more and more diverse outdoor recreation, tourism, education and heritage opportunities for local people and visitors. You said...

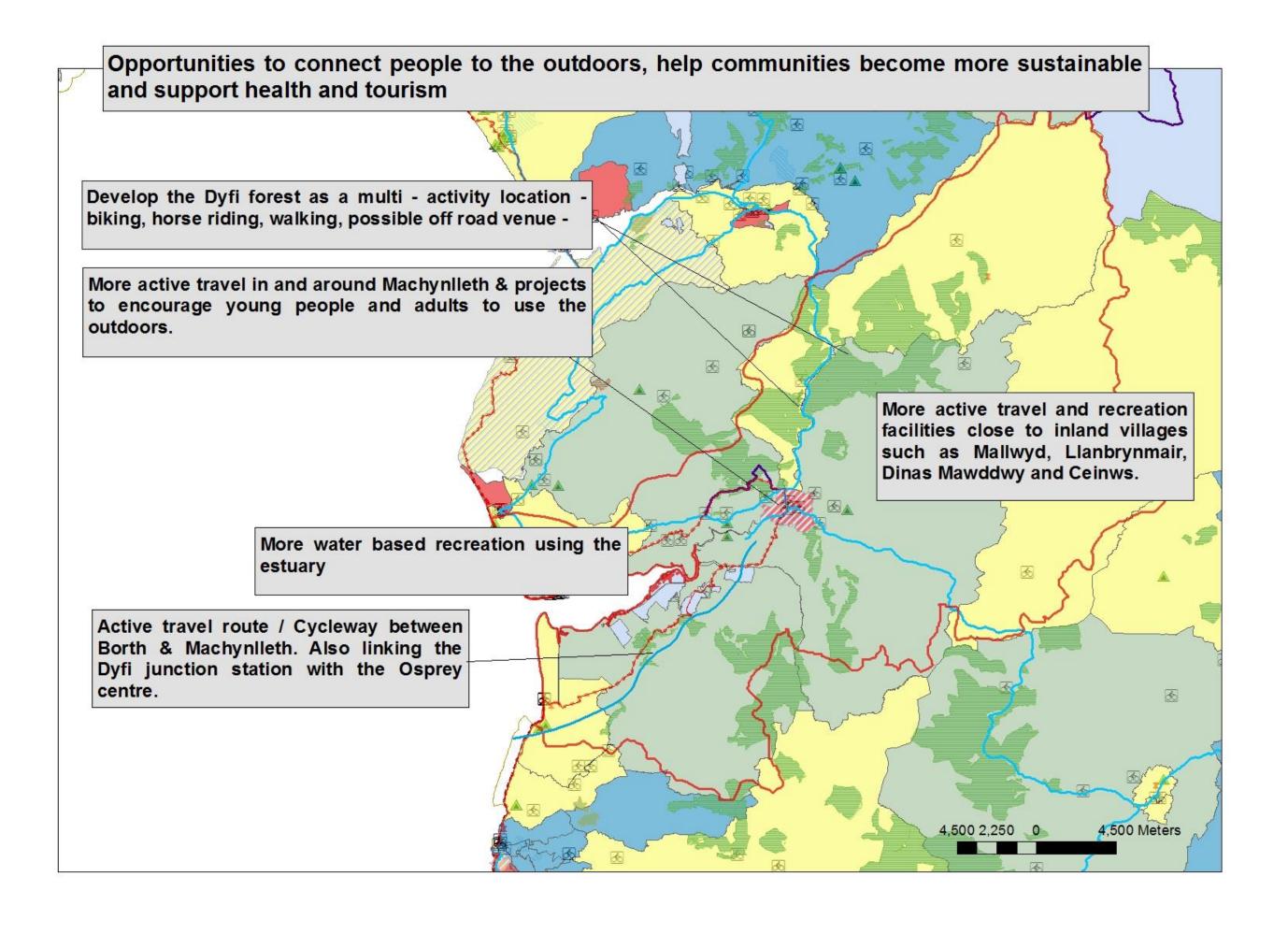
When people are immersed in an experience and are involved and have Create "soft" transport infrastructure such as cycle tracks ownership in the process, they gain better understanding Rebuilding the uplands should act as a large tourist draw Provide more activities for multiuse off-road facilities (e.g. develop More natural sites [available] Promote Excessive tourism can Tourist information for school visits, research cause problems in parts sustainable horse riding events etc., biking / presence back to projects, visitors, (especially of the area tourism. horse-riding routes) the Dyfi Valley Area children's) experience of wildlife/ natural world Protect areas from over-use Completion of cycle-way I would like to see the between Derwenlas and Dyfi Valley promoted as Wales lags behind Scotland and other parts of the Well maintained rights of way and Glandyfi an entity - I feel we suffer UK in offering fishing shooting, stalking. The Dyfi permissive paths - support for from being on the edge of Valley could rival e.g. Exmoor for world class game landowners to keep them open. 3 Counties shooting **Educational opportunities** Get providers of outdoor introducing people to the recreation involved in landscape, their roots and heritage. consultation Encouraging a sense of Improved access responsibility trusting people who use the Keep a good footpath countryside for & access regime. recreation to act Some are defunct and Reinstatement & sustainable management of rights responsibly unlikely to be much Improve opportunities for car free leisure, of way (existing). Market area's scenic beauty, having used and might be such as dedicated cycle tracks forming a reinstated existing rights of way add appropriate Improved access to network and clean comfortable buses with better closed provision of new multi-use paths certain areas e.g. well publicised timetables and unobstructed footpaths woodlands. More Reinstate & improve / open Restoration and Re-Wilding' projects opportunities for bridleways and other rights of supported could bring increased visitors educational activities way in the area and tourists revenue Preserve and promote [place] names, Problems over conflicting Open access agreement (similar to Would like to see more research into creating more music, drama, art allowed and Scotland) where people using the uses i.e. Tourism and improved cycle path network and clearing area for recreation were trusted to act encouraged in the landscape and at /Conservation/Flood public rights of way, if this can be coordinated historical sites responsibly defences with the highways authority

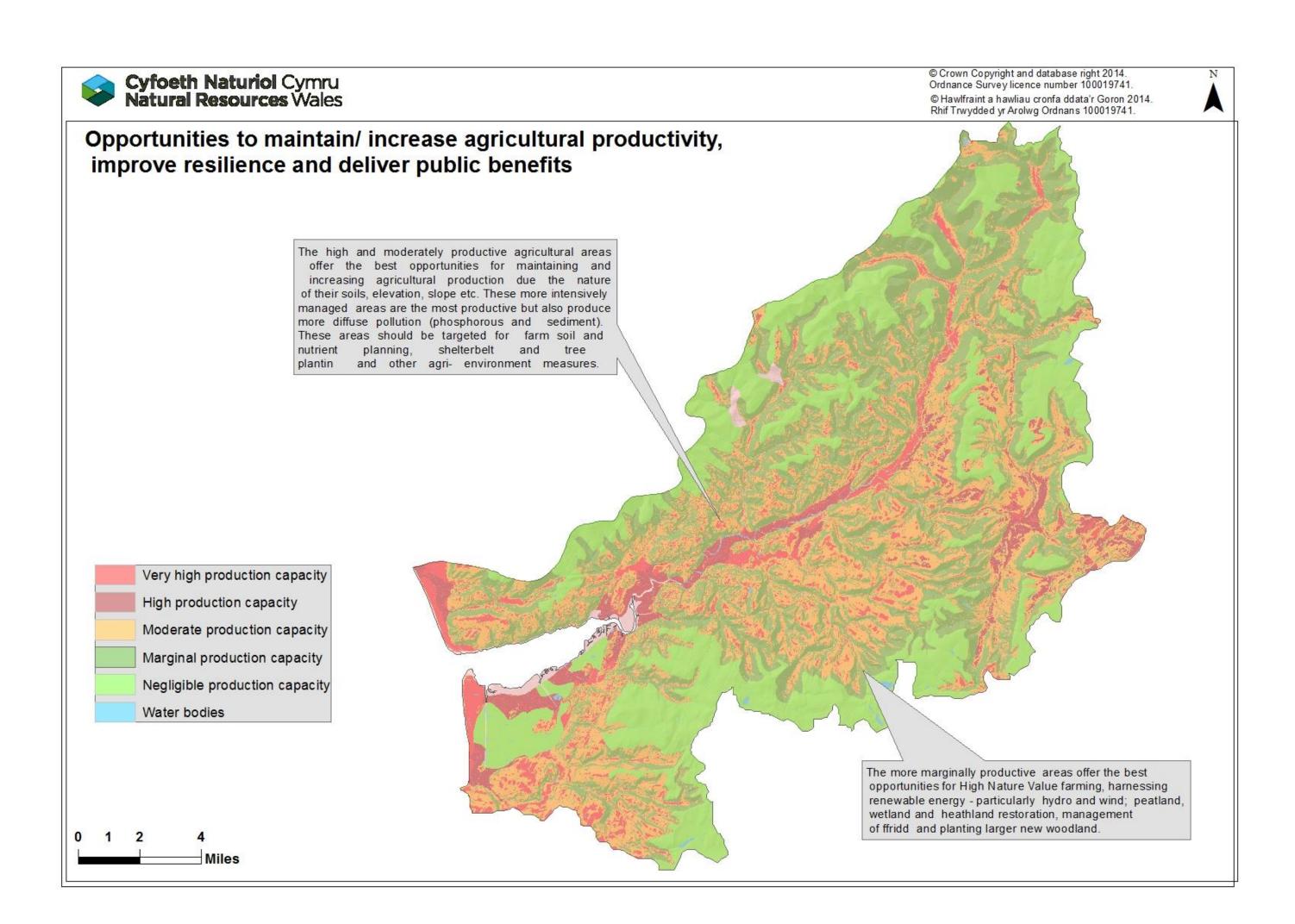
Building capacity to implement the vision

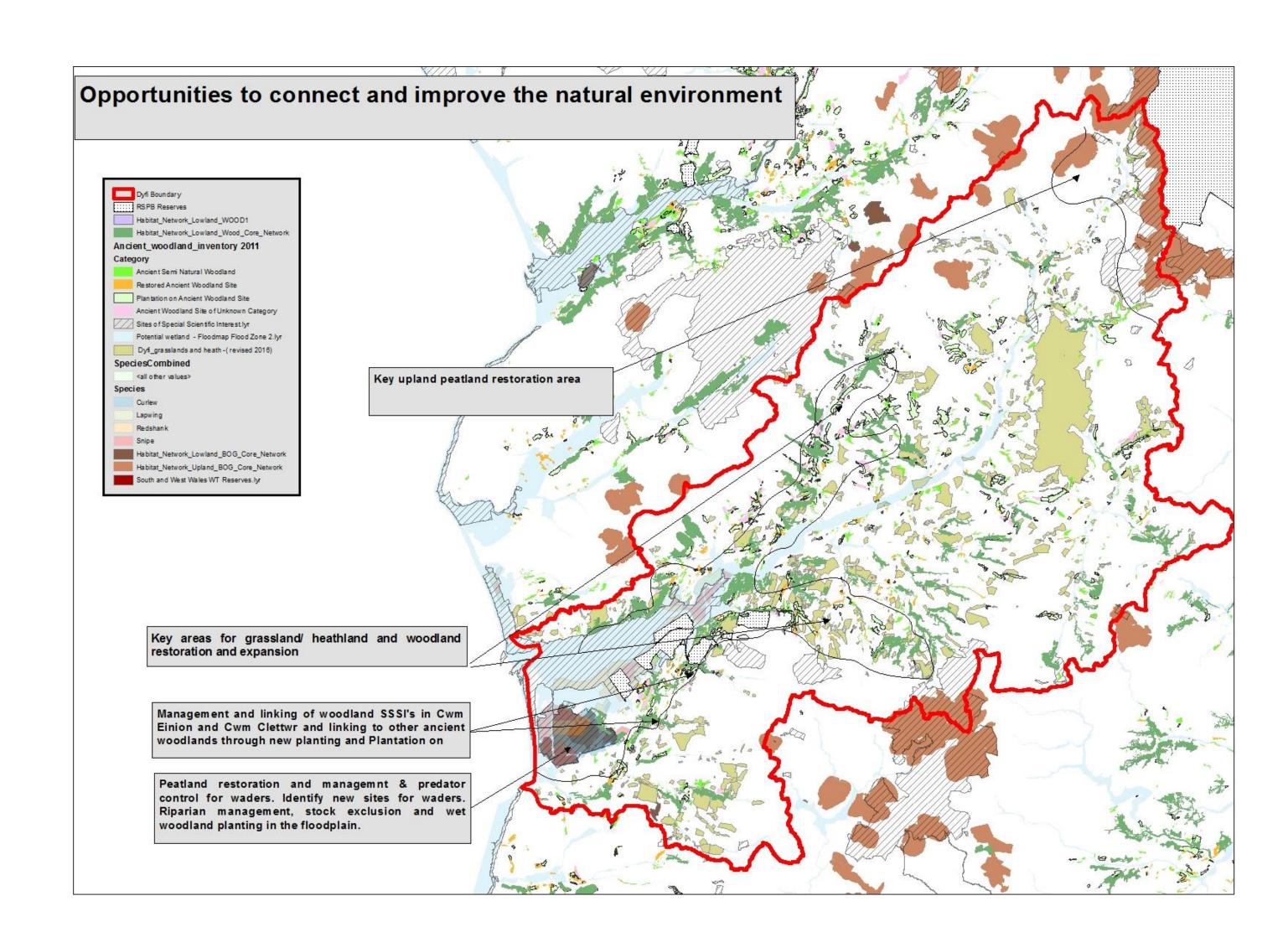
We want to see more collaboration between local people, landowners, third sector organisations and statutory organisations. You said....



Please note the maps below are <u>strategic</u> in nature. <u>More detailed work would be needed on any specific projects, based on these maps</u>, to consider matters such as conflicts of interest between users, legal requirements and general suitability.

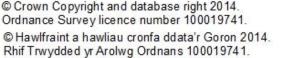


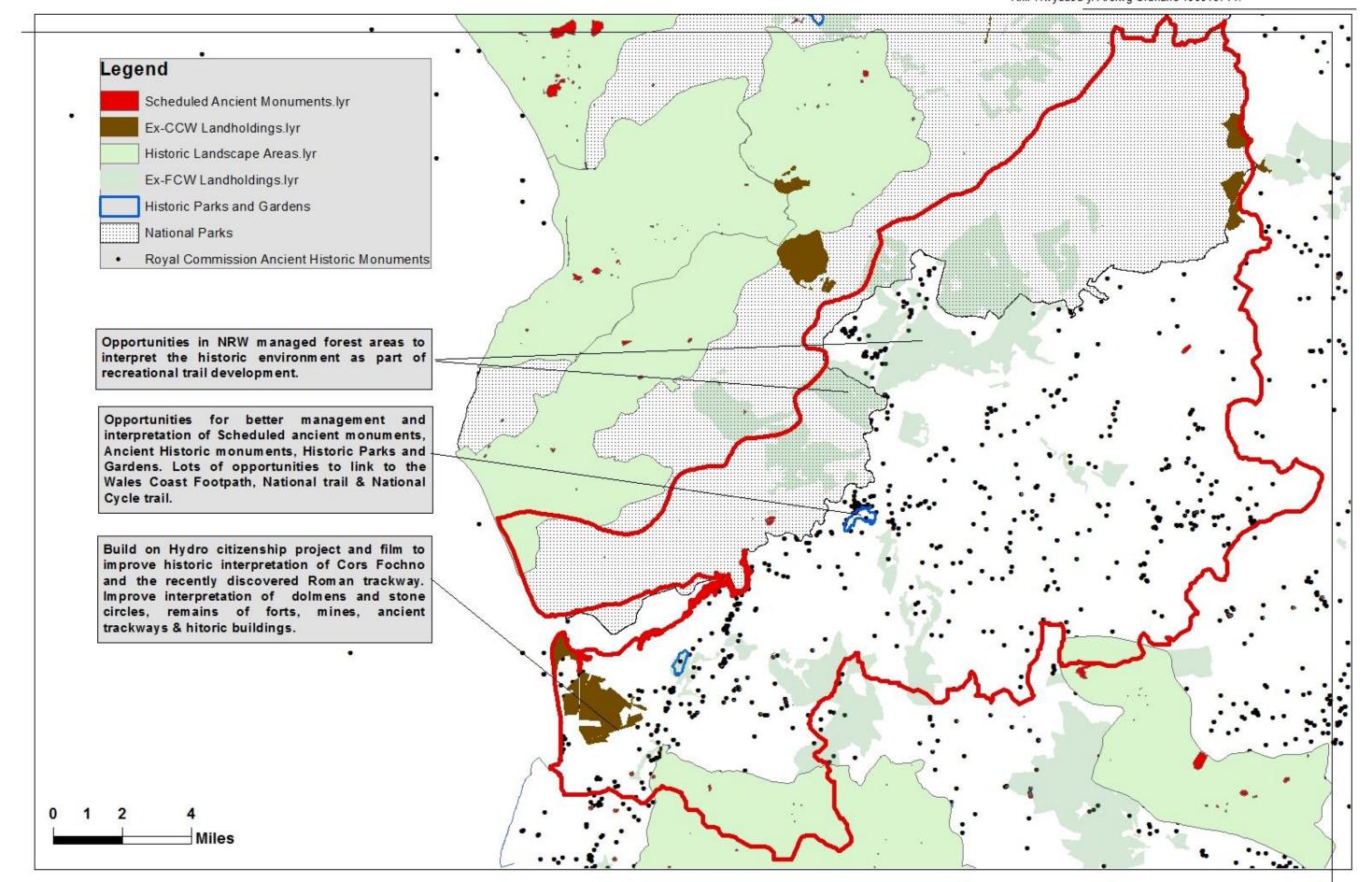


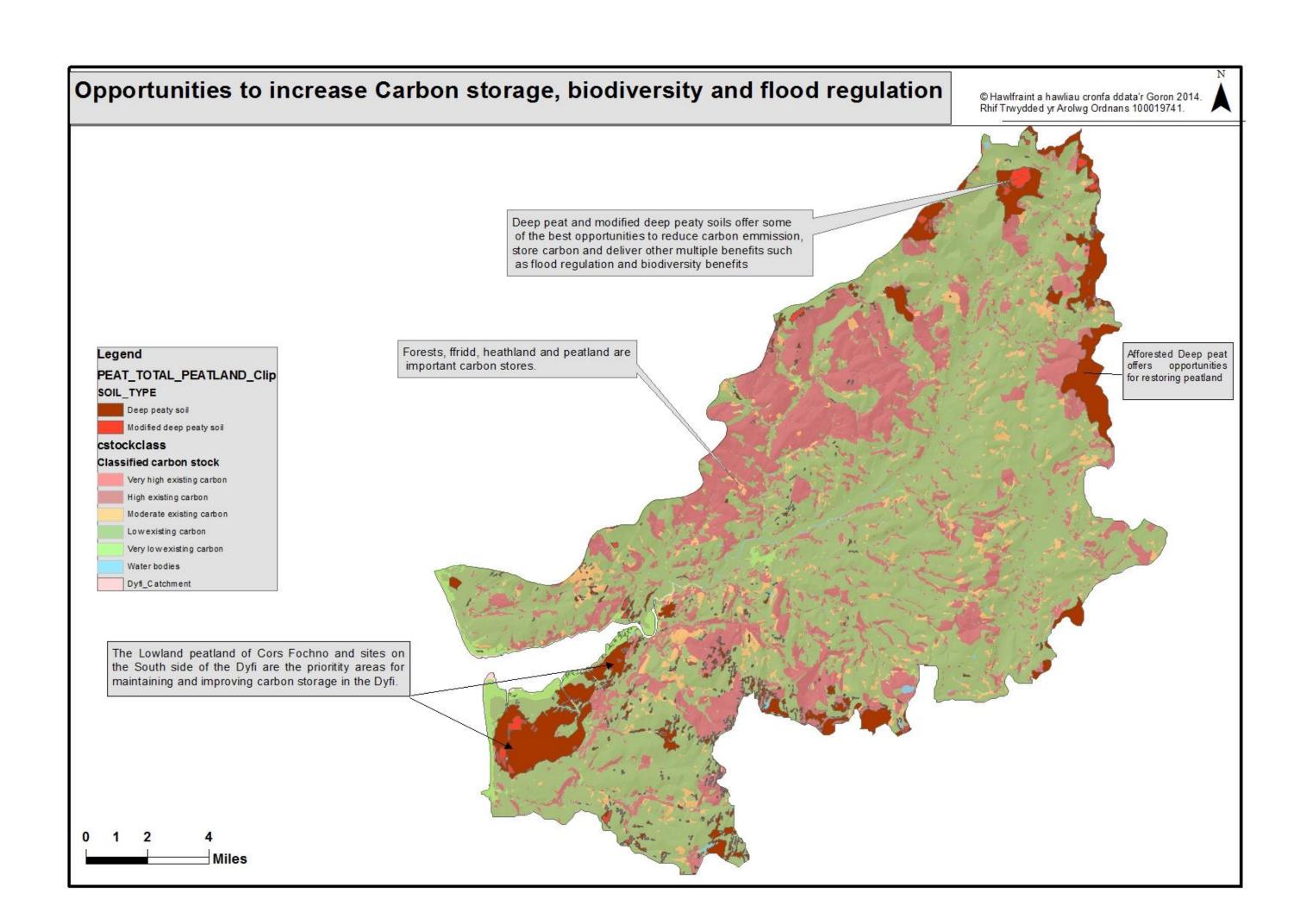


Opportunities to enhance the historic environment

© Crown Copyright and database right 2014. Ordnance Survey licence number 100019741. @ Hawlfraint a hawliau cronfa ddata'r Goron 2014.



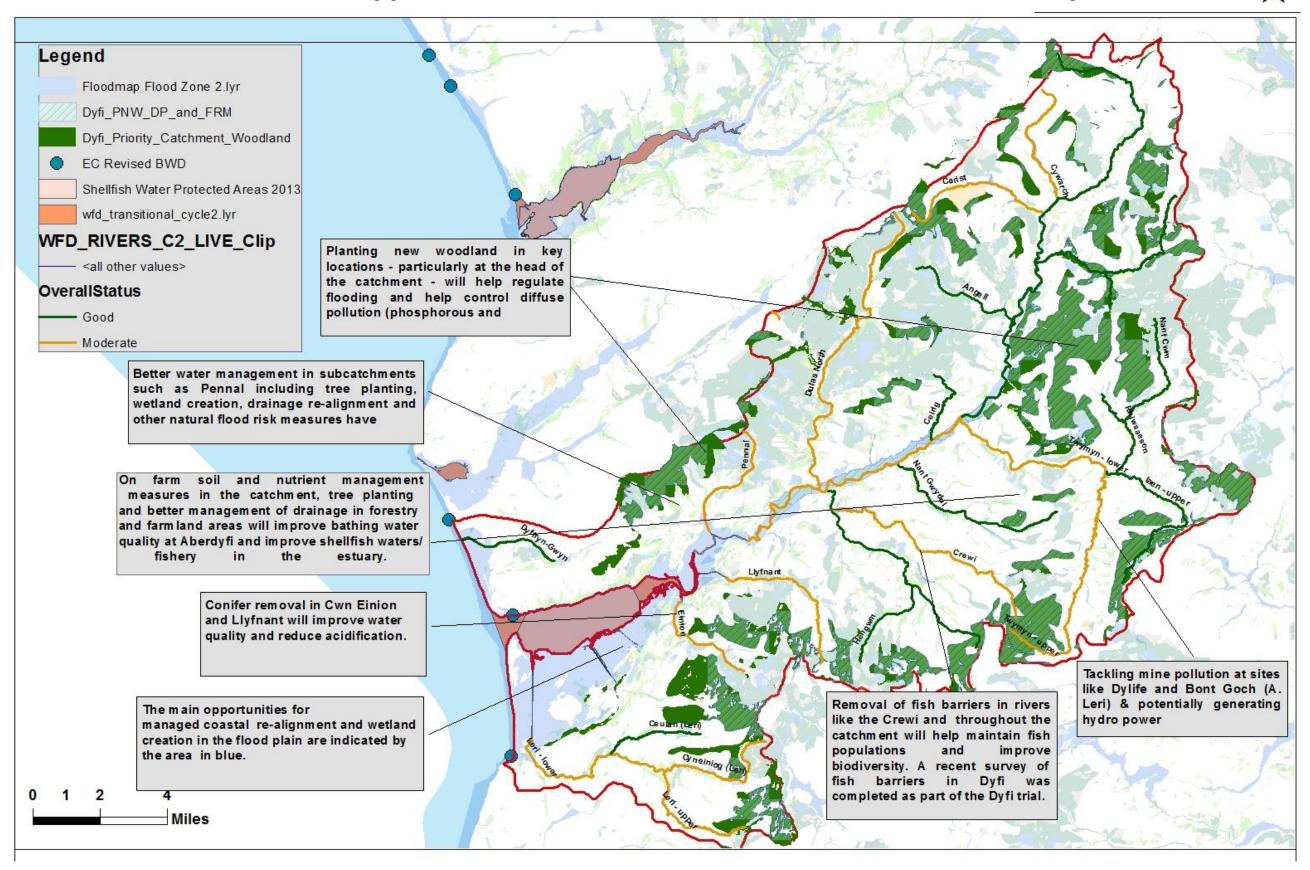






Opportunities increase woodland cover and deliver multiple benefits







Opportunities to improve the water environment and deliver multiple benefits - detail view

© Crown Copyright and database right 2014.
Ordnance Survey licence number 100019741.
© Hawlfraint a hawliau cronfa ddata'r Goron 2014.
Rhif Trwydded yr Arolwg Ordnans 100019741.

