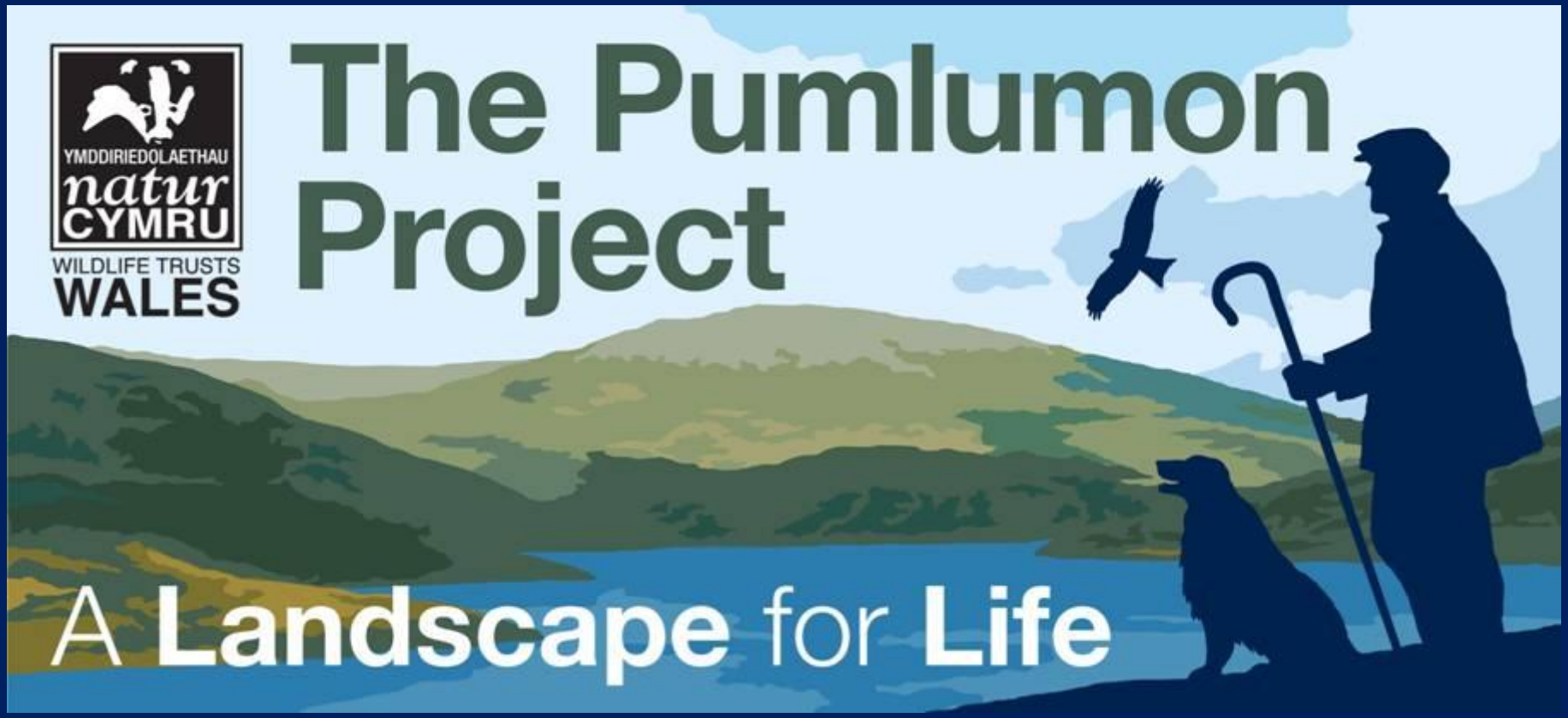
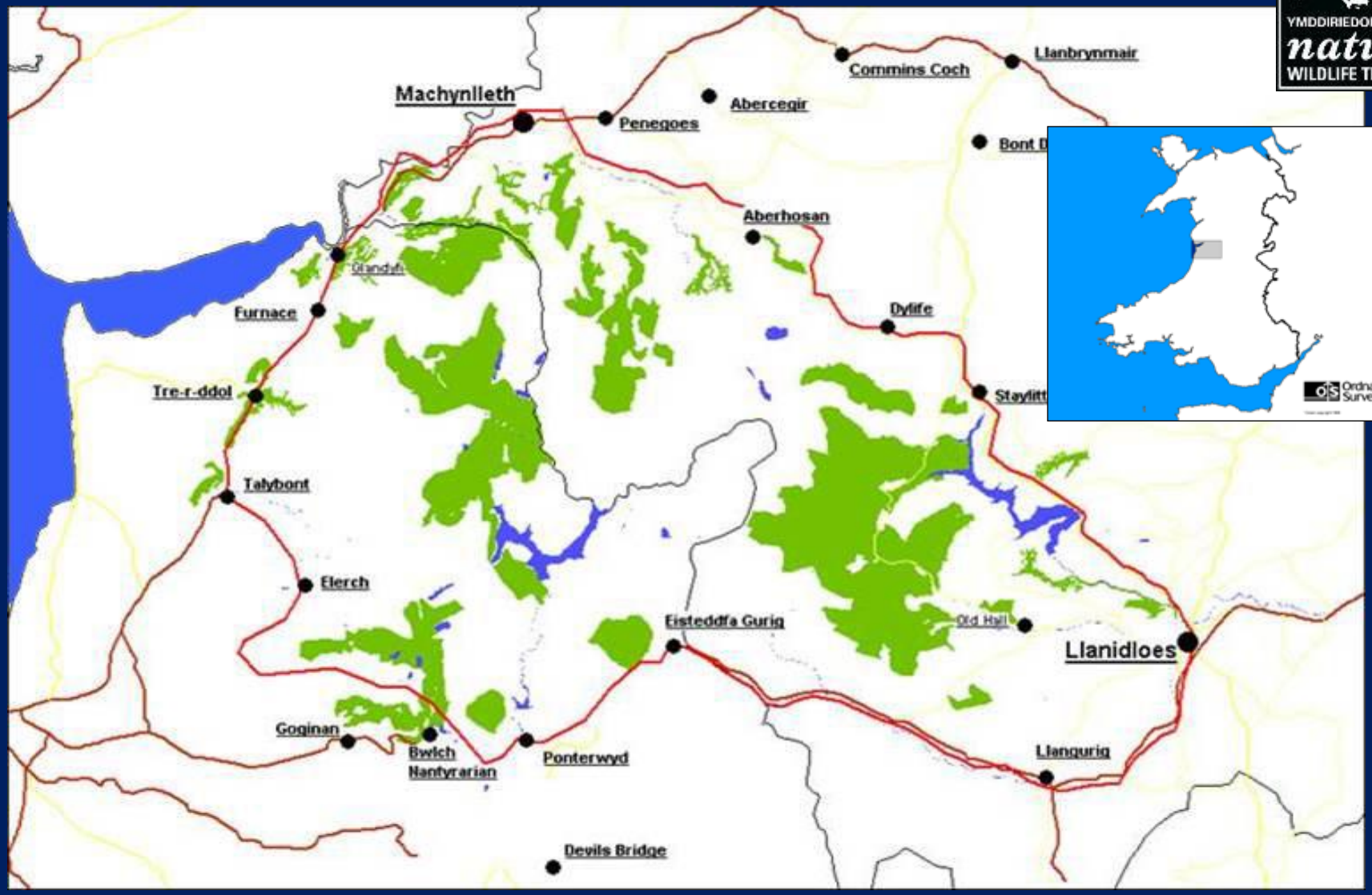


Clive Faulkner
Montgomeryshire Wildlife Trust



YMDDIRIEDOLAETH natur WILDLIFE TRUST

The project area:

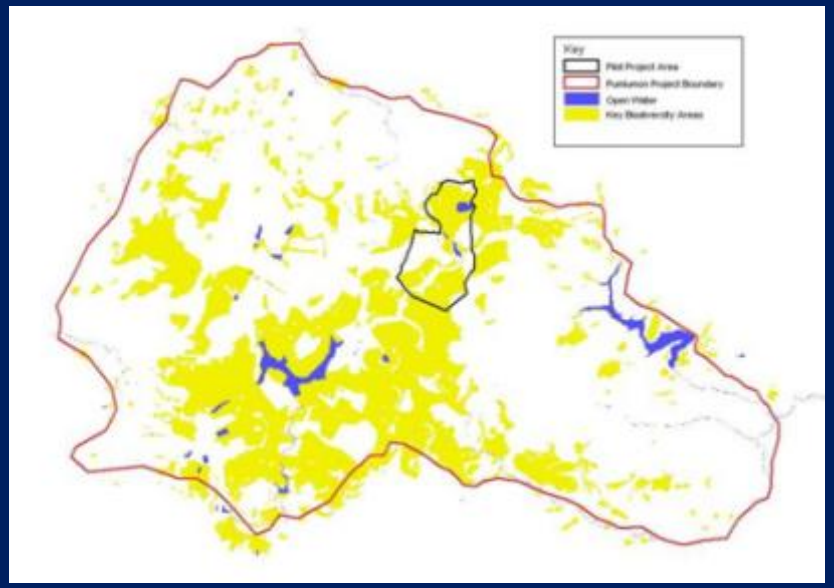
- 40,000 ha
- 16,000 population
- 4,500 employed and self employed

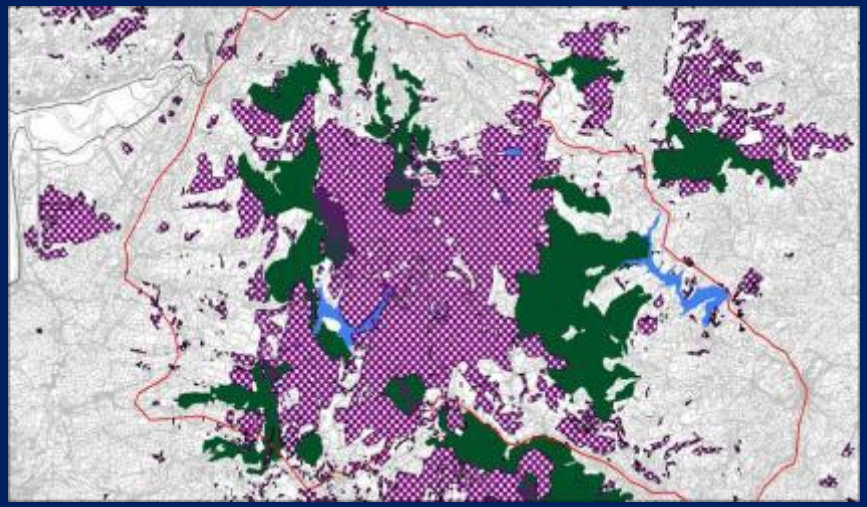
Farm and farm related:	700
Tourism and tourism related:	720

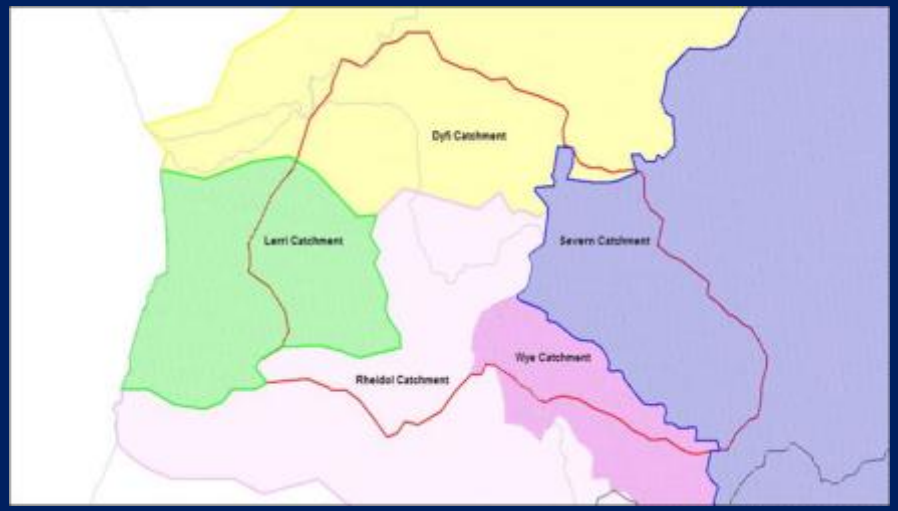
- Over 300 farm holdings
- Visitor spend £24m annually

There are big issues:

- Biodiversity Decline
- Diffuse Pollution
- Flooding
- Climate Change
- Rural Economy
- Ageing workforce
- Agriculturally unproductive land


Key
Pilot Project Area
Punkunion Project Boundary
Open Water
Key Biodiversity Areas




Dyfi Catchment
Severn Catchment
Lerri Catchment
Wye Catchment
Rheidol Catchment

A Revelation

Sustainable land management that builds natural capital and that is economically supported by ecosystem service delivery

YMDDIRIEDOLAETH natur WILDLIFE TRUST

Vibrant Communities

In 2 years:

- Volunteer task force for survey and monitoring projects up and running.
- Community led local environmental and sense of place projects.
- Access to Skills and training.

Thriving Economy

In 3 years:

- Champion new markets for sale of natural capital and value added products.
- Assist farms into Glas tir.
- Provision of a suite of access, tourism and people engagement points.

Water Quality

In 5 years:

- Water quality scheme launched.

Carbon Safeguard

In 5 years:

- 1,534ha of land in positive management for carbon safeguard.
- Potentially 1,874,000 tons of carbon stored.

Flood Water Management

In 5 years:

- 3,730ha of land in positive management for flood water – 30.67 billion litres of water stored.

Abundant Biodiversity

In 3 years:

- 10 priority bird, mammal and invertebrate species projects underway.
- Survey team established.

Healthy Habitats

In 5 years:

- 5,050ha of species rich habitat in positive management for quality and connectivity.

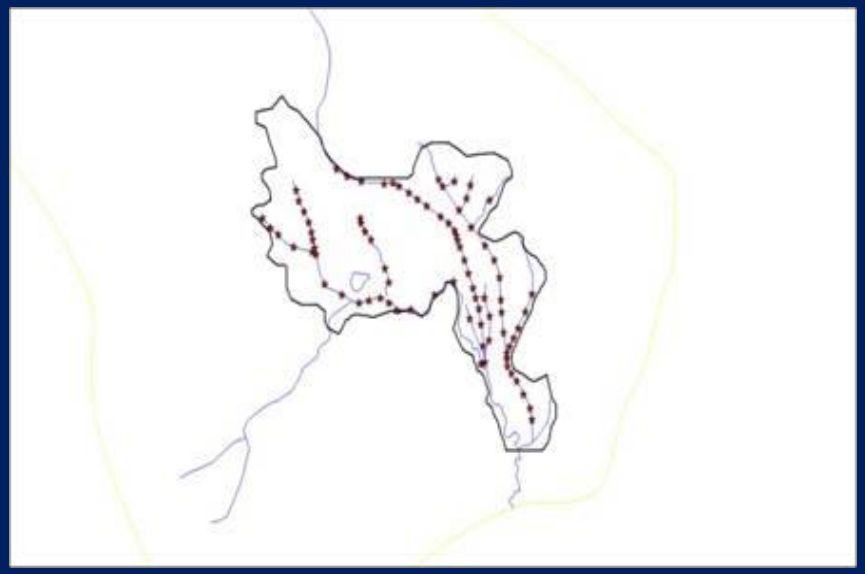
What are these Ecosystem Services?

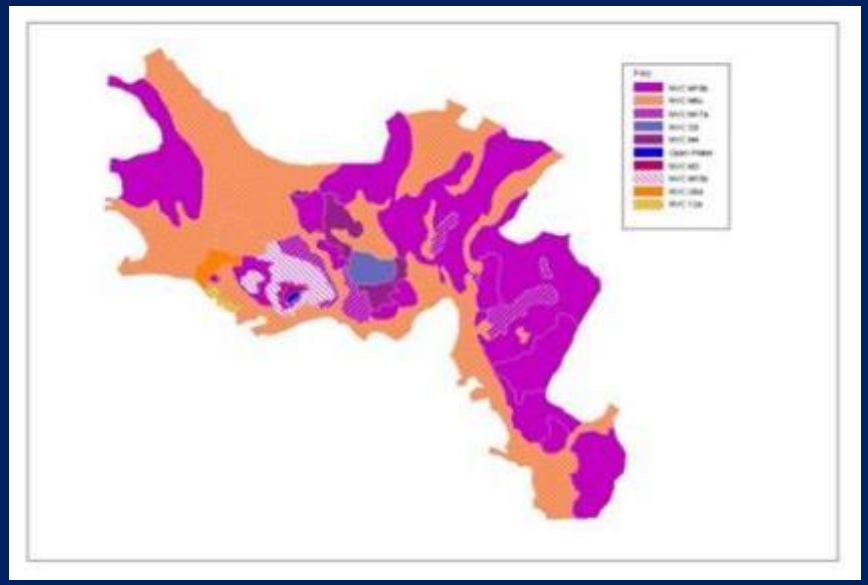
- Flood Water Management
- Value Added Food
- Climate change mitigation
- Climate change adaption
- Biodiversity
- Tourism
- Water quality

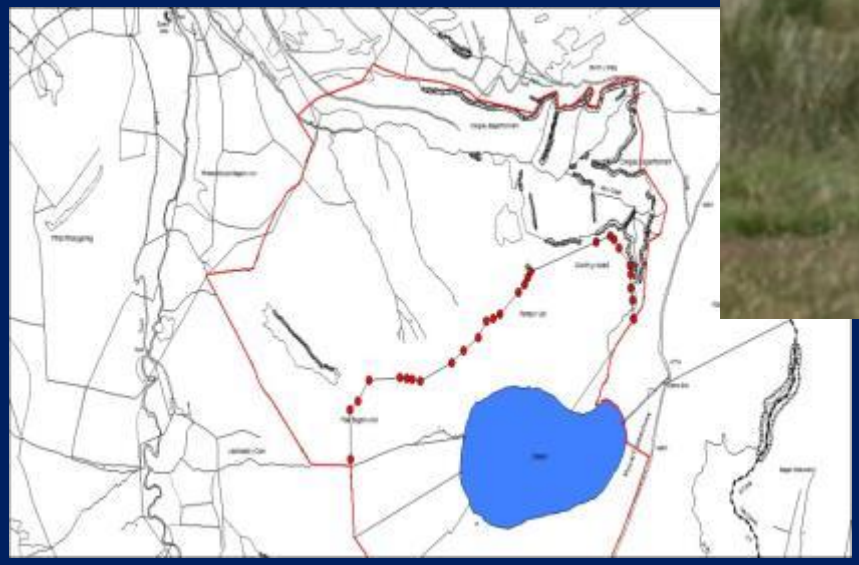
We Know that:

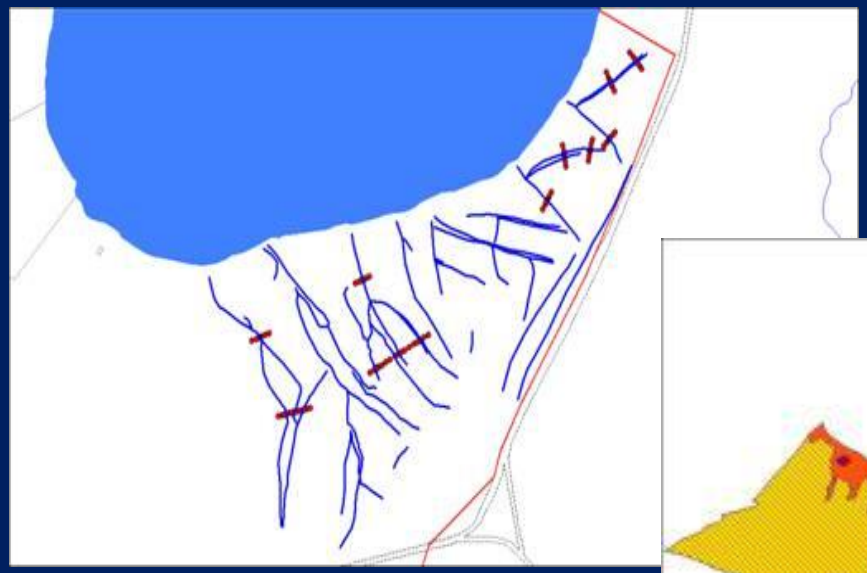
- We can work with land managers to create healthy robust ecosystems
- Healthy and robust ecosystems can create sustainable ecosystem services

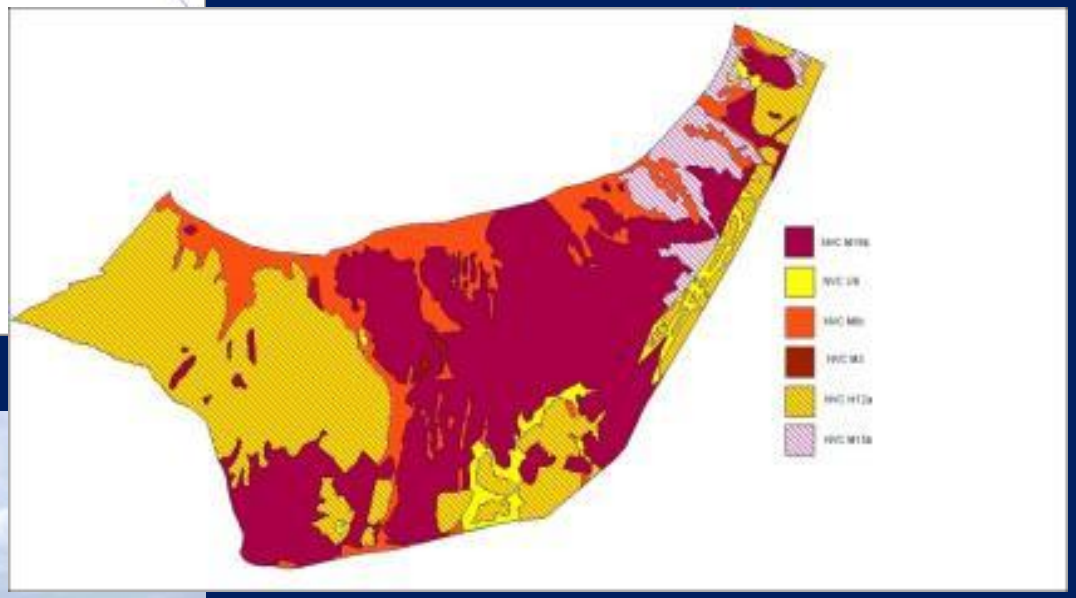
But what good is this if these services are not practically deliverable.....?











But why should land managers create these ecosystem services if the services are not valued.....?

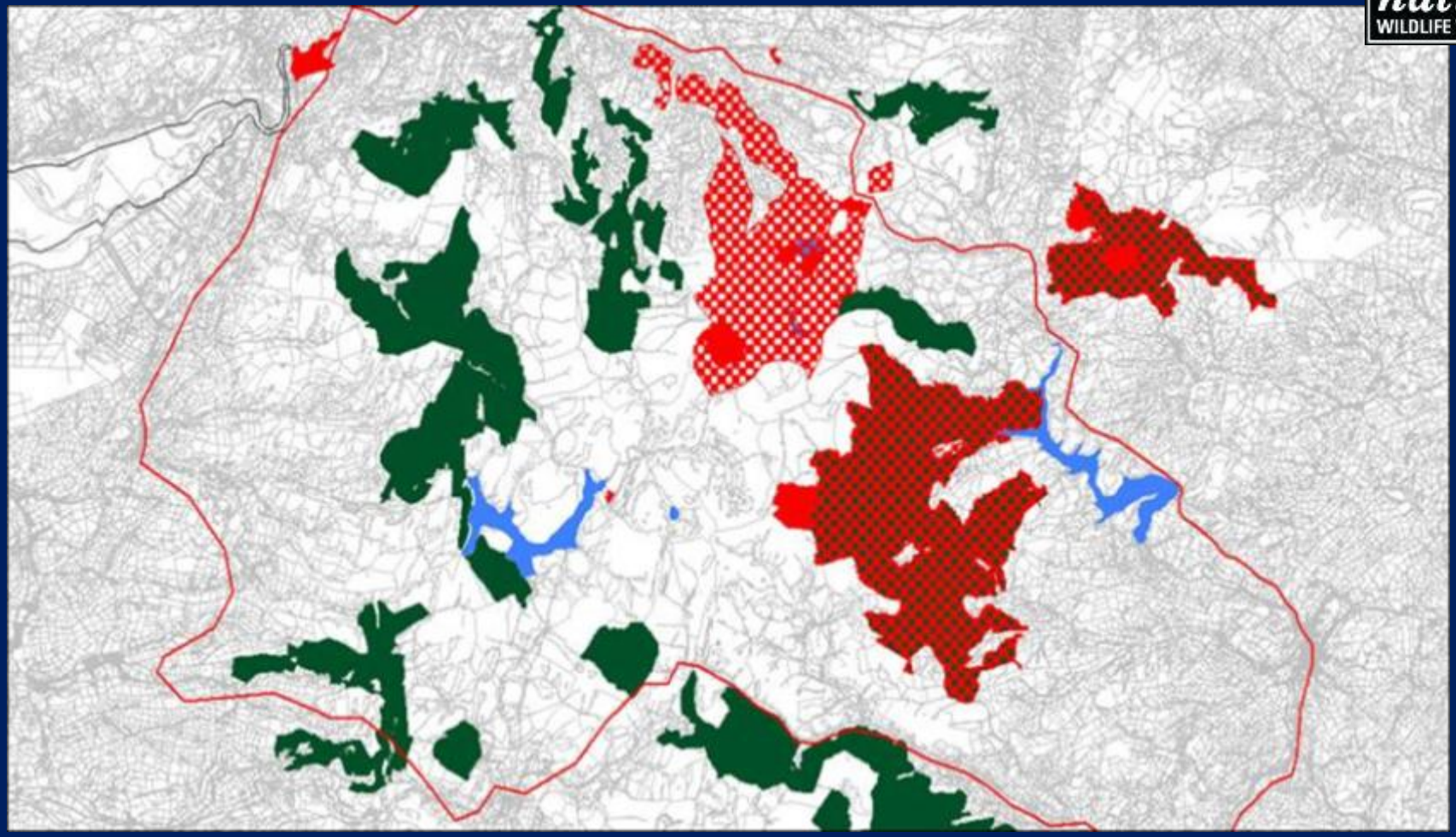
Ecosystem Services Outputs (2006-2013):

Value added livestock (cattle)	55 animals processed
Carbon emissions reduction	792.4 tonnes CO2e/year
Carbon sequestered	585.71 tonnes CO2e/year
Net change in carbon balance	-1,377 tonnes CO2e/year
Additional volume of water due to rise in water table	427m litres/year
Increase in visits to visitor attraction, audio trail etc	40,000 visits/year
of which additional	5,000 visits/year

In 2023, potential whole area benefits (£/year) across 3,732 ha:

Livestock sales	£102,000
Carbon Benefits	£1,131,692
Water Benefits	£279,900
Recreation benefits	£612,500
Total annual benefits	£2,126,092

But will we get people signed up?



Pumlumon Project
Locations Delivering Ecosystem Services Benefits
YMDDIRIEDOLAETH
natur
WILDLIFE TRUST
GWYNEDD
Dovey Valley
MACHYNLLETH
Cors Dyfi
Aberdyfi/ Aberdovey
YNYSLAS NATIONAL NATURE RESERVE (CCW)
Glaslyn
NANT GLASLYN NATURE RESERVE
Bugeilyn
Llechwedd Crin
Maesnant
Hafren Forest
Llyn Clywedog
POWYS
CEREDIGION
Tal-y-bont
Bow Street
ABERYSTWYTH
BWLCH NANT YR ARIAN (RC)
Pontarfynach
Devil's Bridge
Cefn Croes - 2012
LLANIDLOES
Llanidloes
Caersws
Carno
Llanbrynmair
Dylife
Tywyn

Biodiversity Outputs (2006-2013):

Area under conservation management	1258.10 ha
Length of hedgerow restored	1.43 km
Area of peatland restored	316.60 ha
Area of acid grassland restored	93.97 ha
Area of neutral grassland restored	2.77 ha
Area of heathland restored	215.53 ha
Area of Woodland created	65.63 ha
Area of habitat restored	694.50 ha

Future Development

- Support from WG Nature Fund
- Piloting the Peatland Code
- Looking for funding from corporates
- Building more farmer support

Pumlumon Project 5 year plan

natur CYMRU
WILDLIFE TRUSTS WALES

Protecting **Wildlife** for the Future

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