



Re-connecting Landscapes

Grazing Animals Partnership Conference

22nd – 24th September 2009

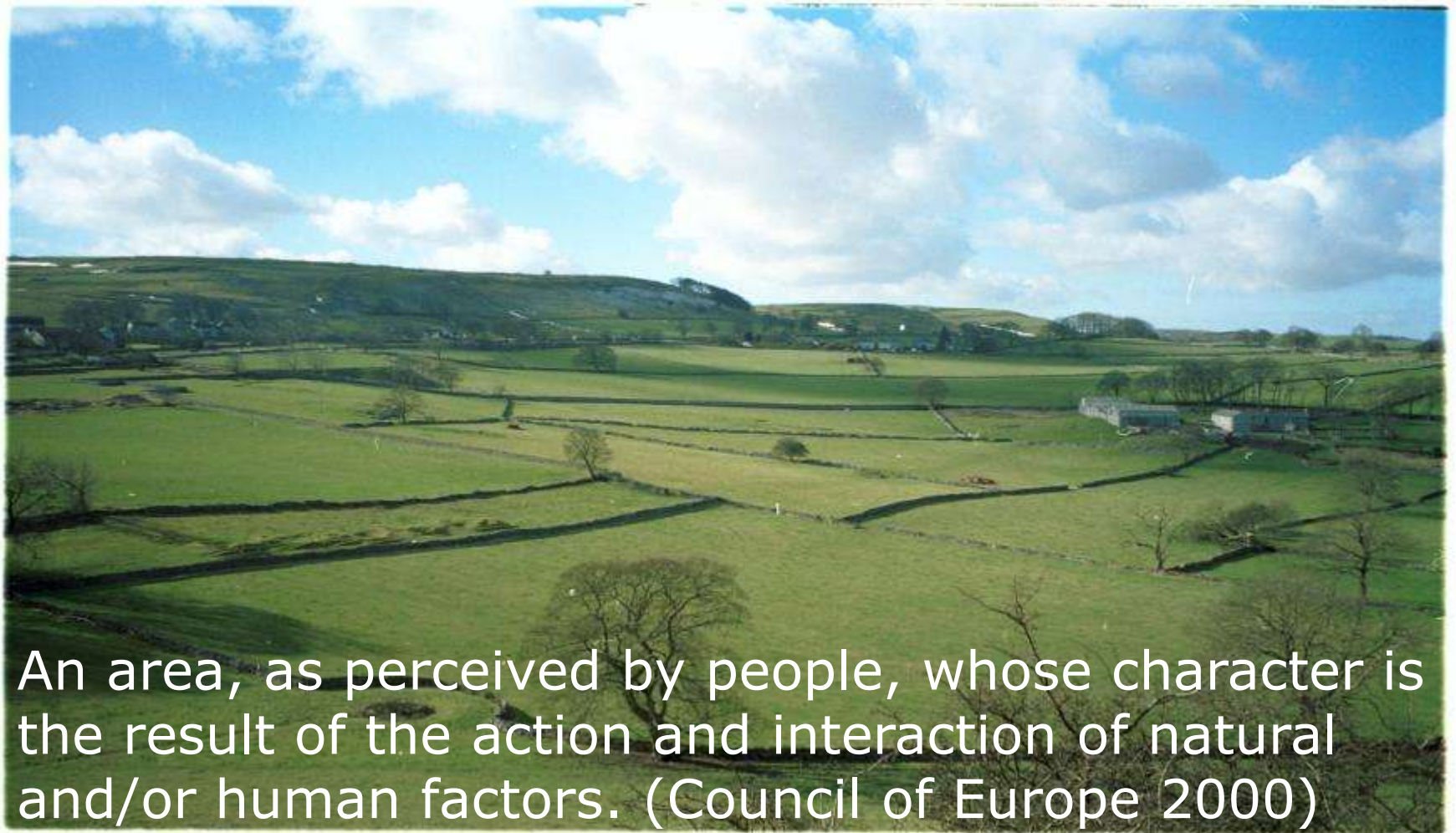
Topics

- Landscape –what is it and why it is important
- How Natural England works at the landscape scale
- Tools
 - Advice
 - Incentives
 - Regulations



Landscape

NATURAL
ENGLAND



An area, as perceived by people, whose character is the result of the action and interaction of natural and/or human factors. (Council of Europe 2000)

UK Governments Sustainable Development Strategy (2004)



- Natural resource protection and environmental enhancement
- Sustainable consumption and production
- Building Sustainable communities
 - Local – global
- Climate Change and
- Energy Conservation



Why Landscape Matters

- Key resource for the nation
- Embrace nature and culture
- Continuously evolved
- Deliver a wide range of ecosystem goods and services



Landscape Scale delivery



- Advice
- Incentives
- Regulation

- Targeting
- Partnerships



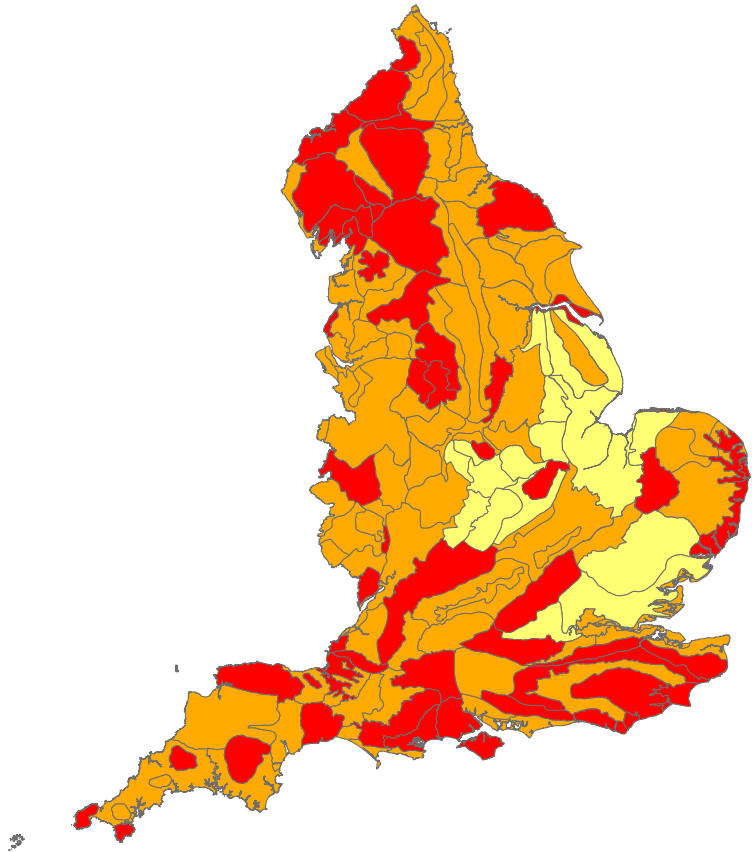
England Biodiveristy Delivery Framework



“The biggest change that the framework brings is a greater emphasis on **identifying and carrying** out the actions that are most **urgent** and have the greatest benefit for biodiversity. Strong partnerships will together **establish clear delivery and policy priorities, at relevant geographical scales, with agreed accountabilities** ”

EBS workstream	Biodiversity Integration Group	RBC Link	Priority habitats included (species to be confirmed)	Chair of Biodiversity Integration Group
Agriculture	Lowland farmland – Julian Small	Warren Priest & Tom Butterworth	Arable Field Margins Hedgerows Traditional Orchards Lowland Dry Acid Grassland Lowland Calcareous Grassland Lowland Meadows Hay Meadows Purple Moor Grass and Rush Pastures Calaminarian Grasslands Lowland Heathland	NE
	Uplands – David Appleton	Paul Evans	Upland Heathland Blanket Bog Calcareous Grassland Flushes, Fens and Heaths and Scrub Inland Rock Outcrop and Scree Habitats Limestone Pavement	NE
Water & Wetlands	Lakes and Ponds – Helen Moggridge	Tom Butterworth	Eutrophic Oligotrophic and Dystrophic Lakes Ponds Aquifer-fed Naturally Fluctuating Water Bodies	EA
	Rivers – Helen Moggridge	Tom Butterworth	Rivers Chalk Rivers	EA
	Wetlands – Helen Moggridge	Catherine Weightman	Coastal and Floodplain Grazing Marsh Lowland Lowland Raised Bog Reedbeds	NE
Coastal	Coastal – David Appleton	Naomi Brookes	Coastal Saltmarsh Intertidal Mudflats Coastal Vegetated Shingle Coastal Sand Dunes Maritime Cliff and Slopes Saline Lagoons	NE
Marine	Marine – David Appleton	Naomi Brookes	16 marine habitats (in)	NE
Towns, cities & development	Urban and brownfield – Julian Small	Nick White	Open Mosaic Habitats on Previously Developed Land	NE
Woodlands & forestry	Woodlands & forestry – Tilly Tilbrook	Jeff Edwards	Lowland Beech and Yew Woodland Lowland Mixed Deciduous Woodland Mixed Ashwoods Upland Oakwood Wet Woodland and Wood Pasture	FC

Integrated BAP Delivery Areas



Project Expectations

- Large Geographical Area
- Multiple habitat and species delivery
- Based on dynamic ecosystem processes



Policy To Delivery



Applying landscape scale working

- Natural Resource Protection
- Environmental Enhancement

Diffuse Water Pollution



Pollutants linked to agriculture:

- Nutrients (nitrates/phosphates) from fertilisers and manures
- Sediments – soil loss, runoff/erosion
- Pathogens – bathing/shellfish waters
- Pesticides – drinking water

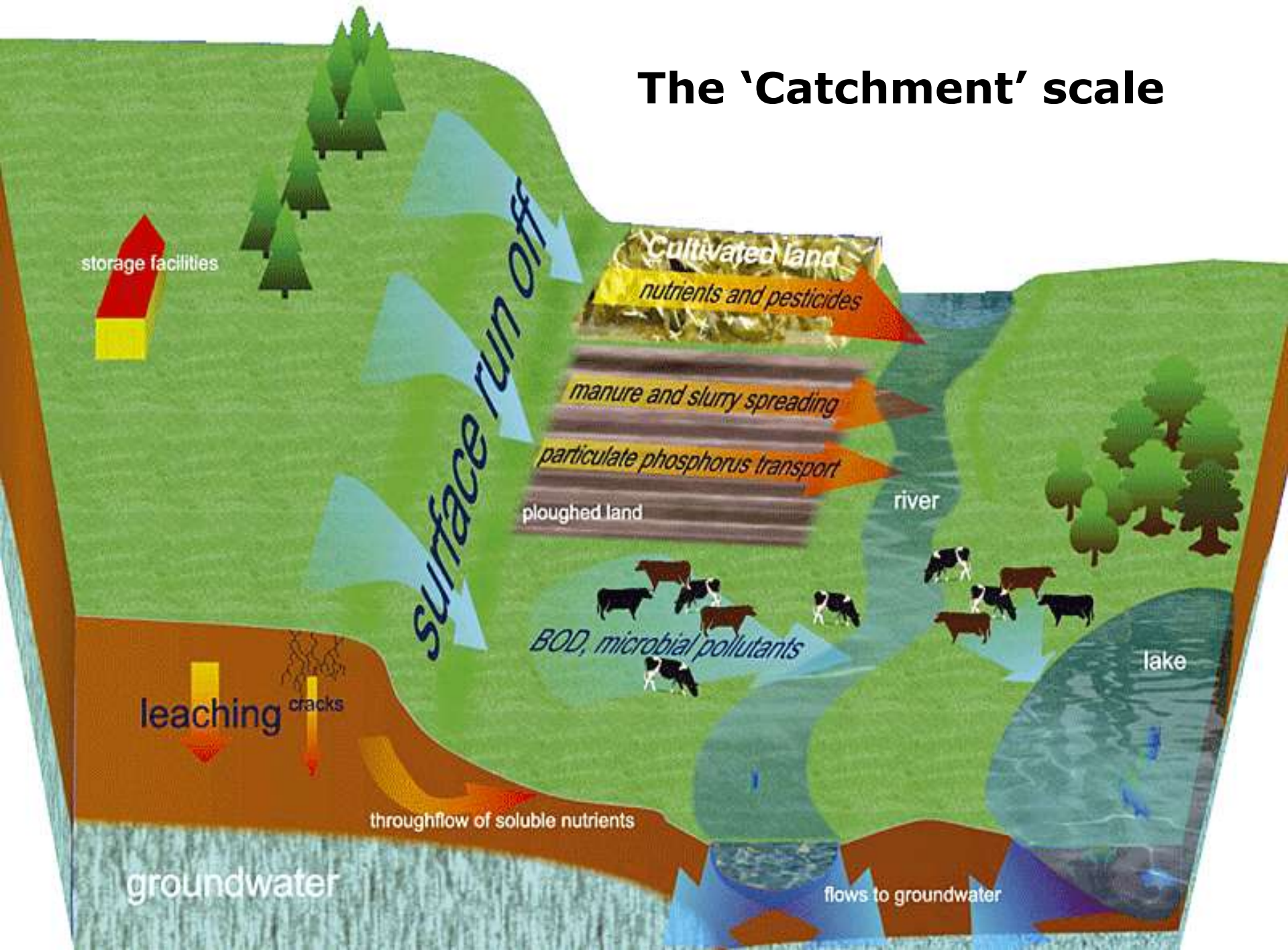
Significant impact on protected areas:

- SSSI's, BAP Habitats, SPAs, SACs



Farming contributes approximately 60% of nitrates, 25% of phosphorous and 70% of sediments entering the water

The 'Catchment' scale



England Catchment Sensitive Farming Delivery Initiative



- A national ecosystem scale approach stressing the interconnectivity of water and land
- 50 catchments impacted upon by diffuse pollution from agriculture
- Covers c. 40% of the land surface of England
- c. 85,000 farmers/land managers in the catchments
- Offering a range of free farm advice, monitoring and evaluation
- Links to technical and ecosystem management options
- Annual £5 million capital grant scheme



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Catchment Sensitive Farming – Phase 2



- 2008-2011 (£12.9m)
- Dedicated Catchment Officers (47)
- Demonstrations, workshops, seminars, on-farm visits
- Advice on low cost & cost effective measures such as:
 - **Soil management**
 - **Fertiliser management**
 - **Farm infrastructure**
 - **Livestock management**
 - **Manure management**

Capital Grant Scheme



Annual Grant Scheme (£5m)

Open to all farmers in priority catchments

First 3 years – 4,000 applications
(% grant + Match funding from farmers)

Gate relocation, fencing,
livestock drinking/bays, yard works,
roofing, farm tracks

Visible indicator of action



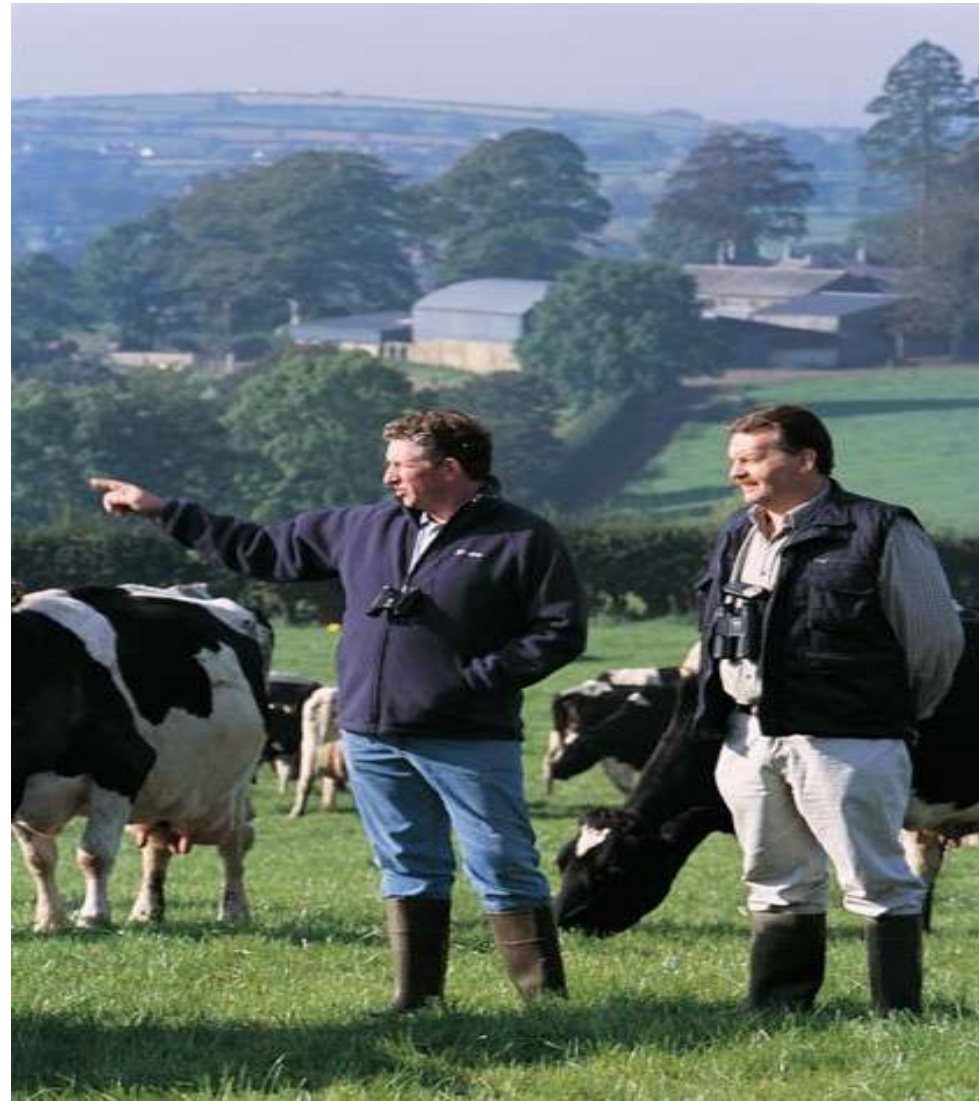
Environmental Stewardship



- Funding
- £400m / year

- Advice / Events
- Regional farm advice

- Target
- 70% of farmed land

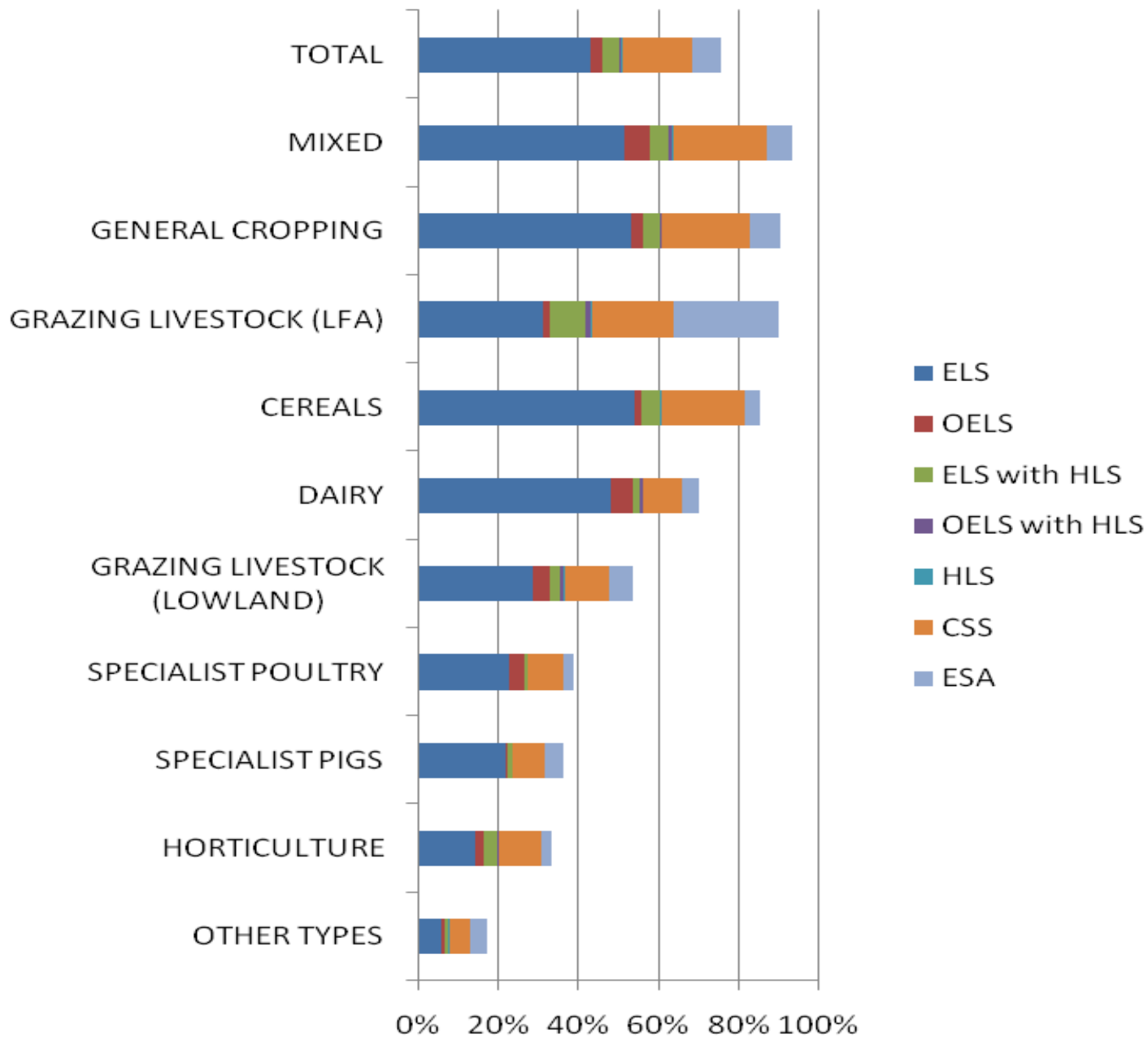


Basics of Environmental Stewardship



4 Elements:

- *Entry Level*
 - *Organic Entry Level*
 - *Higher Level*
 - *Upland Entry Level*
-
- Fits into most farm business
 - Regular & reliable income
 - Over 35,000 farmers and over 6 million hectares of land

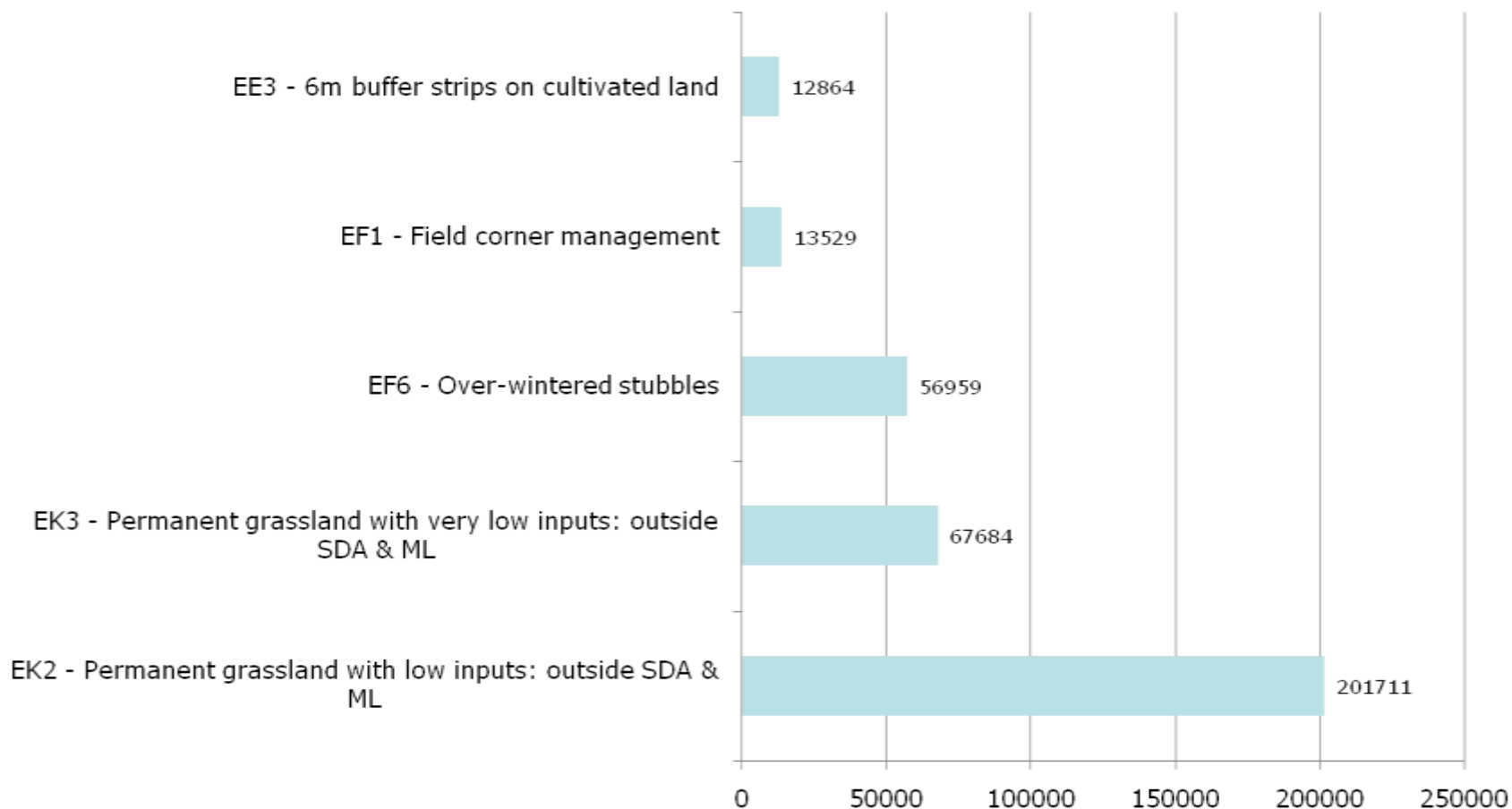


Entry Level Stewardship

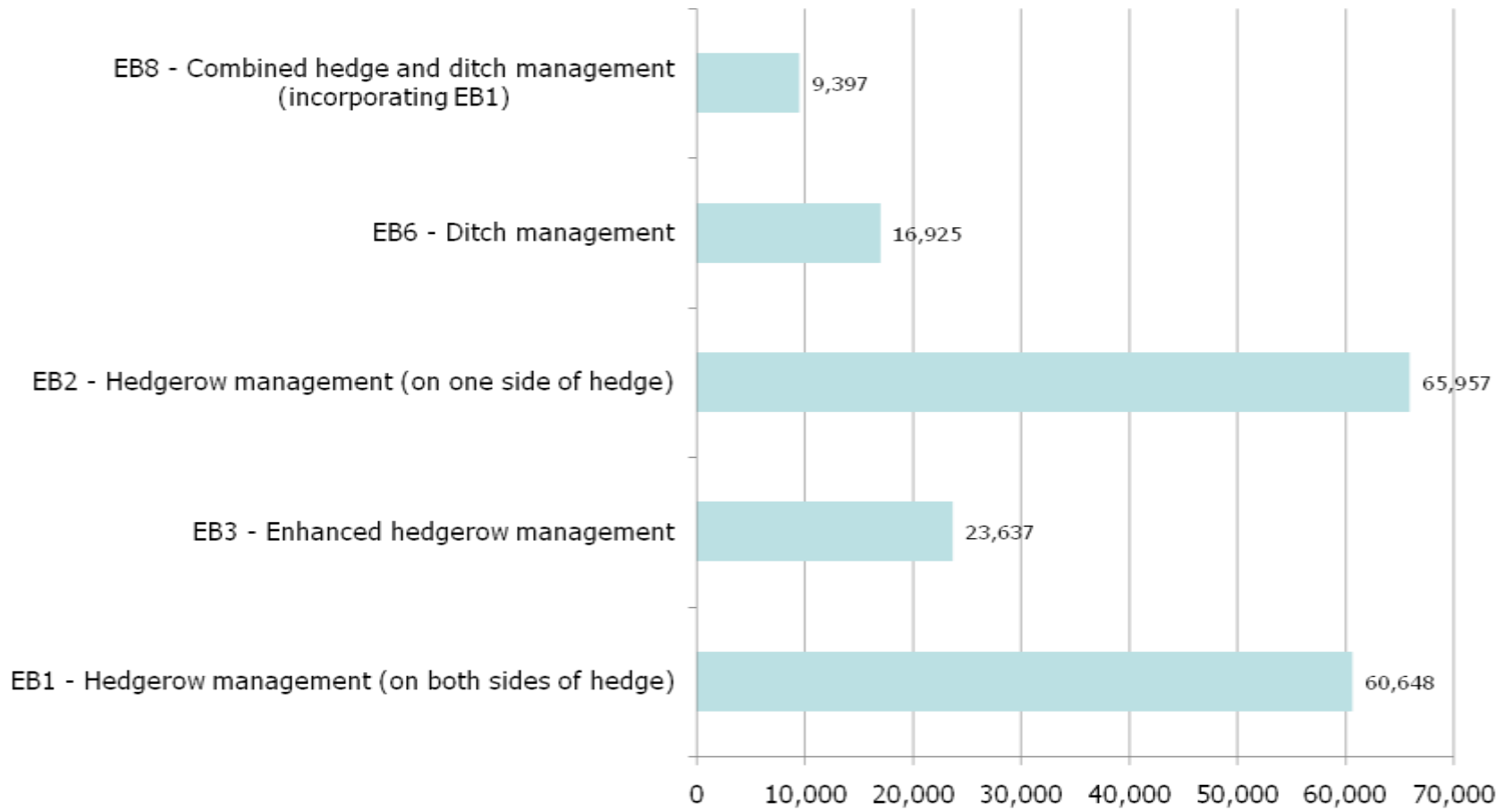


- Over 50% of England's agricultural land in Entry Level Stewardship
- Available to all farmers
- £30/hectare/annum
- Over 50 management options
- Simple management/straightforward application
- Average farm receives £4,000/year
- Online application available

Outputs – ELS Options Top 5 (Area Ha).



Outputs – ELS Options Top 5 (Length Km)



Higher Level Stewardship

- 10 year agreement providing higher payments
- Specific management / range of capital works
- Targeting funding on priority areas and issues within your region
- Average farm receives £200/ha or £18,000/annum



HLS Targeting

- 110 individual target areas
- Biodiversity, landscape, natural resource protection, public access and historic interest
- Don't need a SSSI
- If fall outside area, accept quality applications - theme statements
- Regional farmland bird projects



South West Farmland Bird Project



- Targeted approach to reconnect landscapes through support for farmland birds
- Improve habitats in 3 counties
- Partnership approach
- Advice, workshops & visits

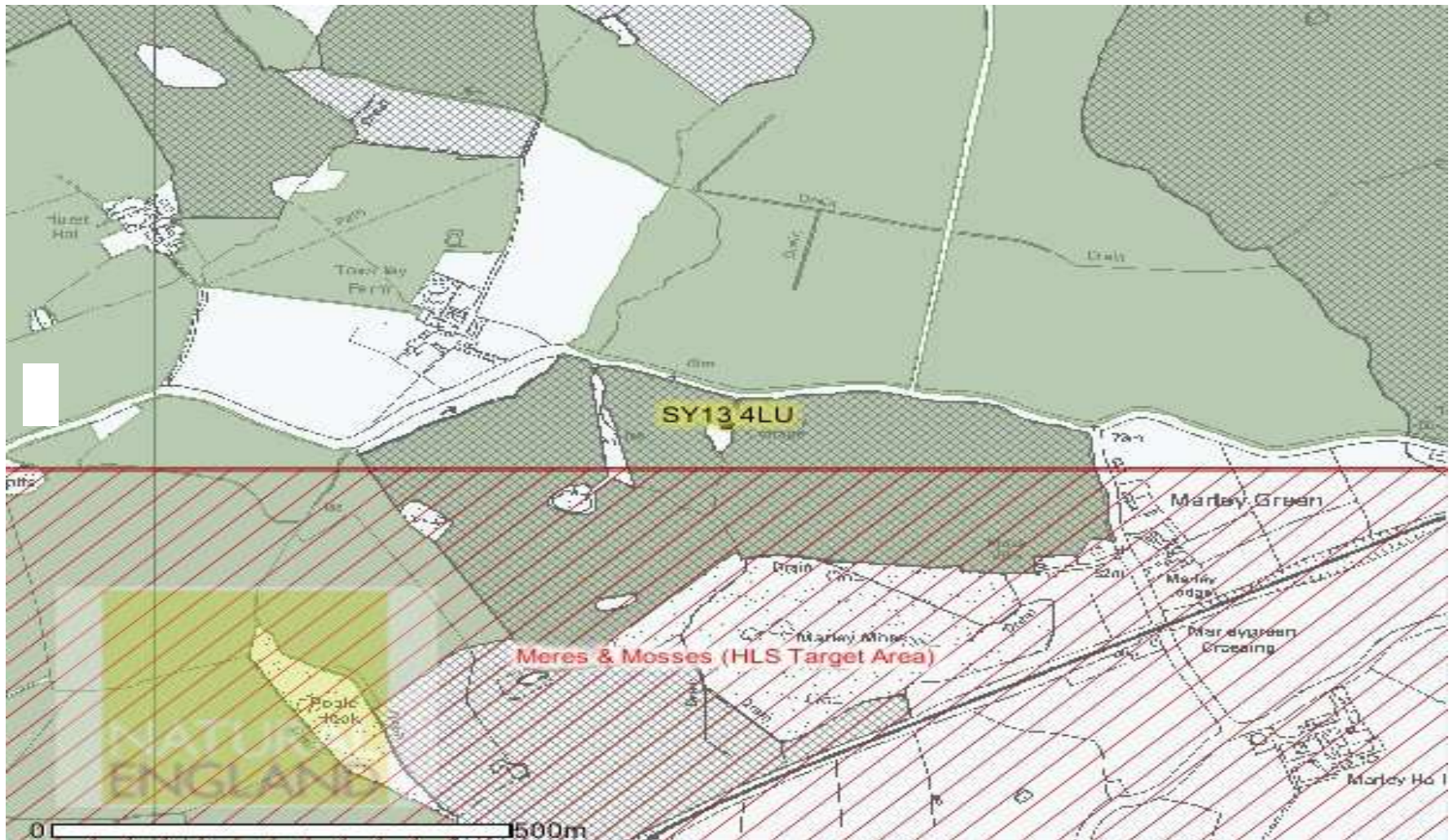


Environmental Stewardship achievements



- Over 250,000 ha of permanent grassland managed
- Over 200,000km of hedgerow has been restored or replanted
- Offering educational visits to more than 100,000 visitors and schoolchildren per year on 800 farms
- Options supporting wide range of farmland birds

www.natureonthemap.org.uk



Other Advice & Incentives

- Cross Compliance
- Climate Change
- Re-connecting farmers with public
- Organic Conversion Information Service





In Conclusion

Landscape scale delivery is essential to deliver integrated targets

The variety of Tools available for landscapes is the greatest it has ever been

Partnerships and project demonstrating the Landscape scale approach