

Delivering Landscape- Scale Conservation

What Does It Mean in the Meres & Mosses?

Matt Jones

Wetland & Farm Adviser
Shropshire Wildlife Trust

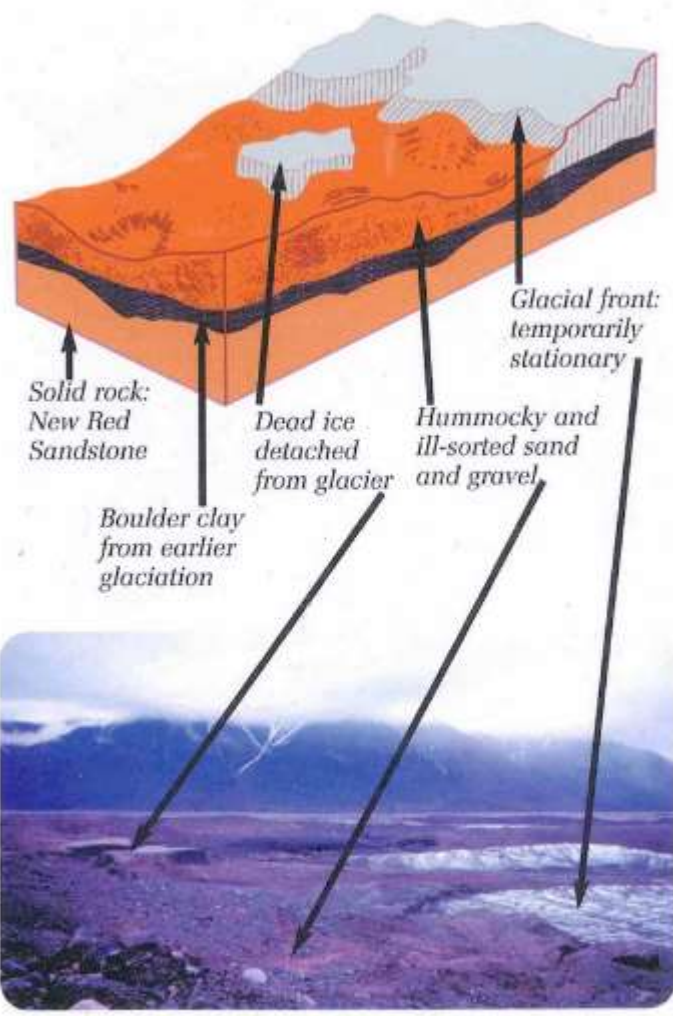
The Meres & Mosses in the UK



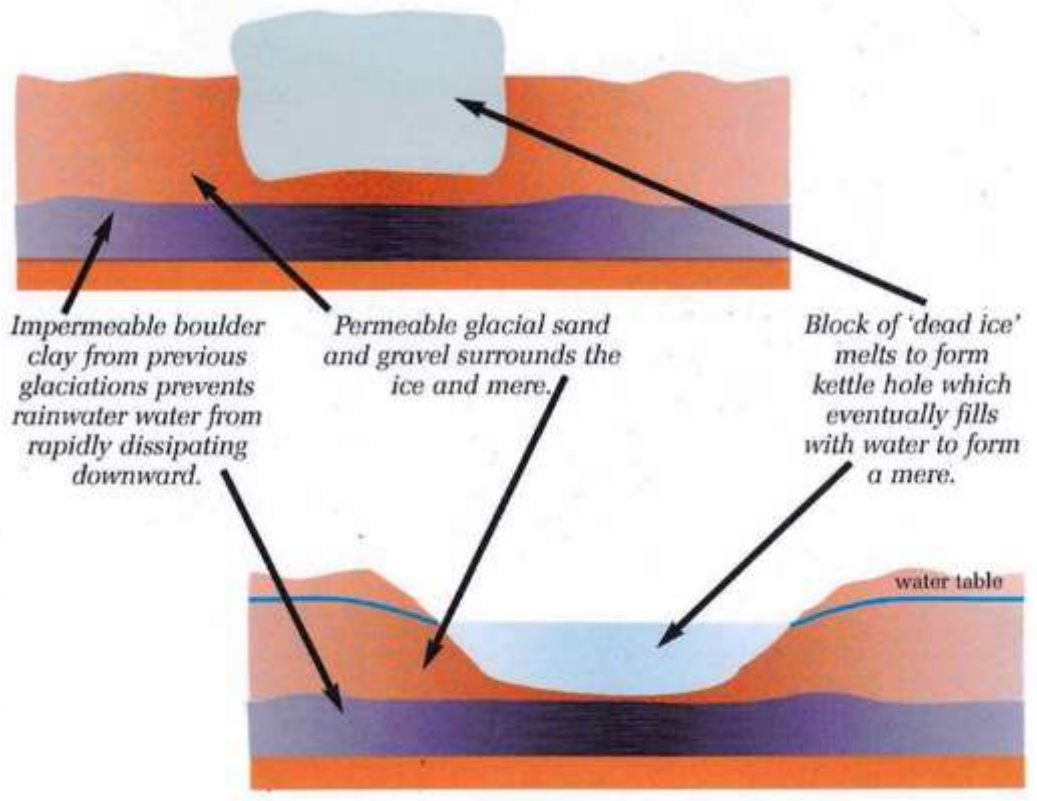
A Hidden Landscape



What is a Mere?



A moraine in Spitsbergen shows this process in action today.



From a Mere.....to a Moss



1. Mainly open water, but peat starts to build up at the edges from plant remains.



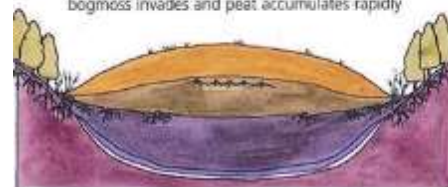
2. Area of peat increases, reducing the area of open water, with wet alder and willow carr woodland invading the older peat.



3. No open water, with the whole area filled with peat.

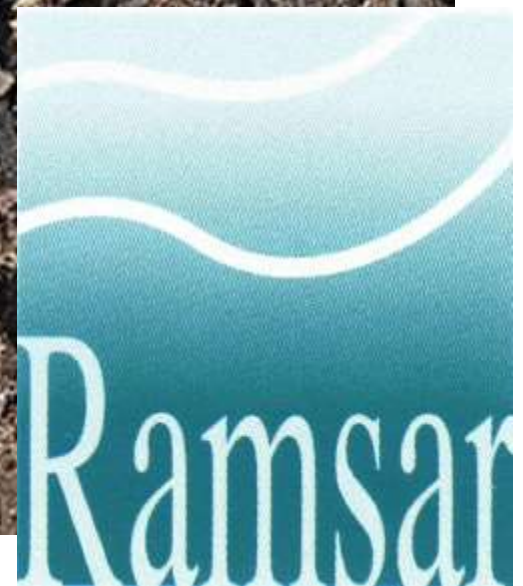


4. As peat builds up above the water table, *Sphagnum* bogmoss invades and peat accumulates rapidly.



5. Over thousands of years a raised bog forms.

An Important Landscape



The Lawton Review

MAKING
SPACE
FOR
NATURE



The Lawton Principles



BIGGER

BETTER

MORE

MORE

MORE

C-O-N-N-E-C-T-E-D

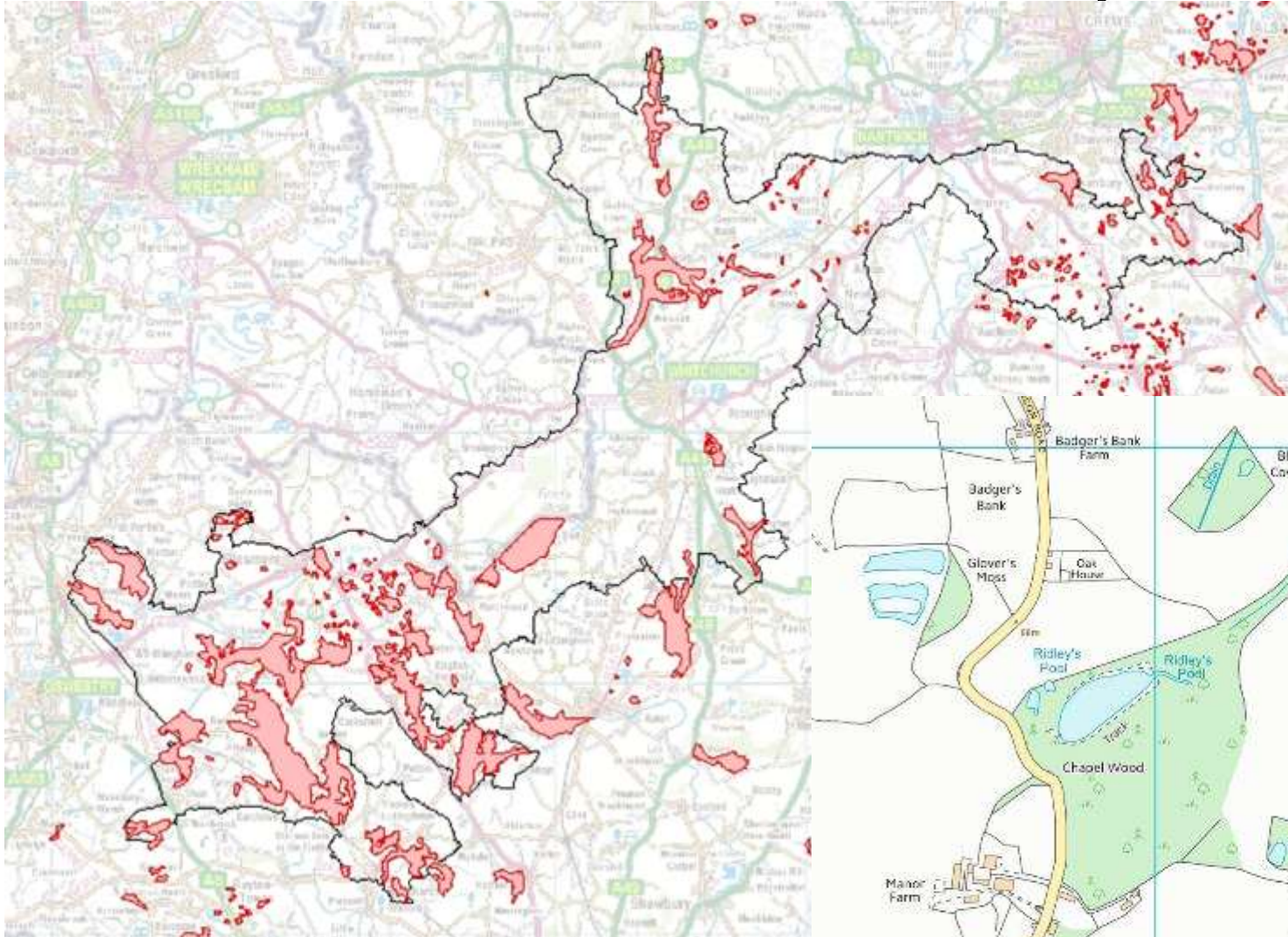
Applying the Principles



**WHAT IS THE
"STEP CHANGE" ?**

**& WHAT DOES THAT LOOK
LIKE ?**

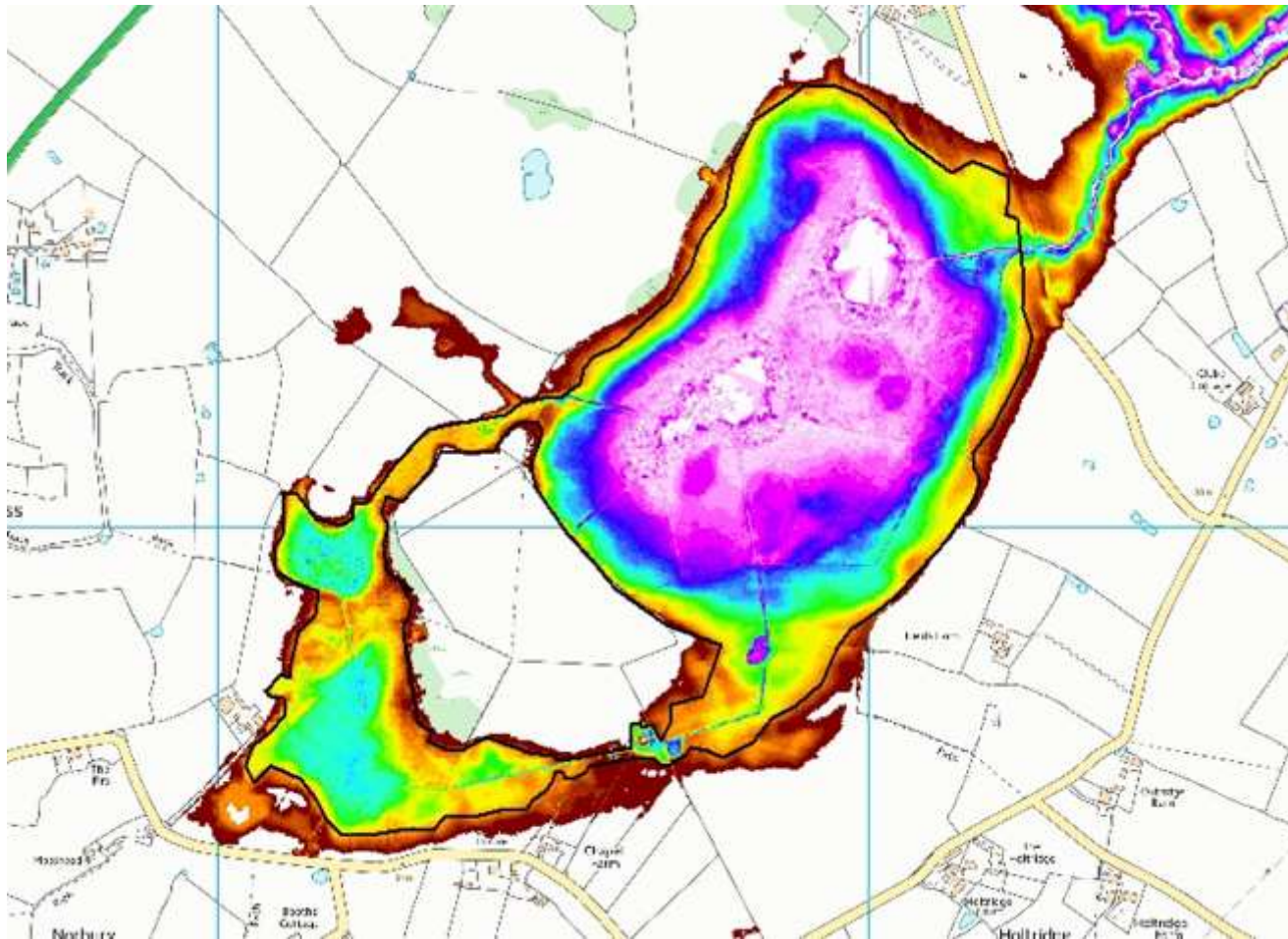
Peat Soils & Other Maps



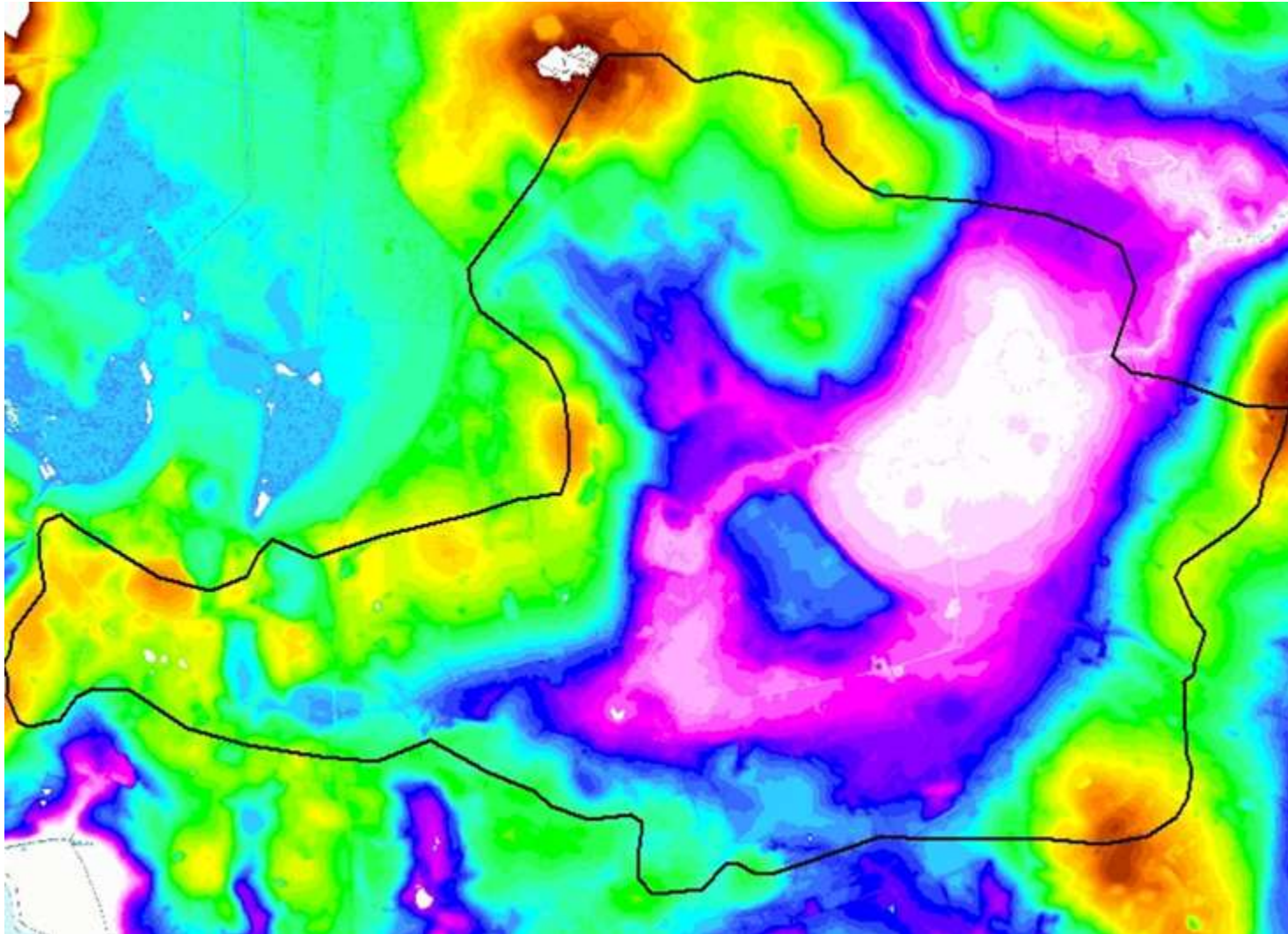
Aerial Photography



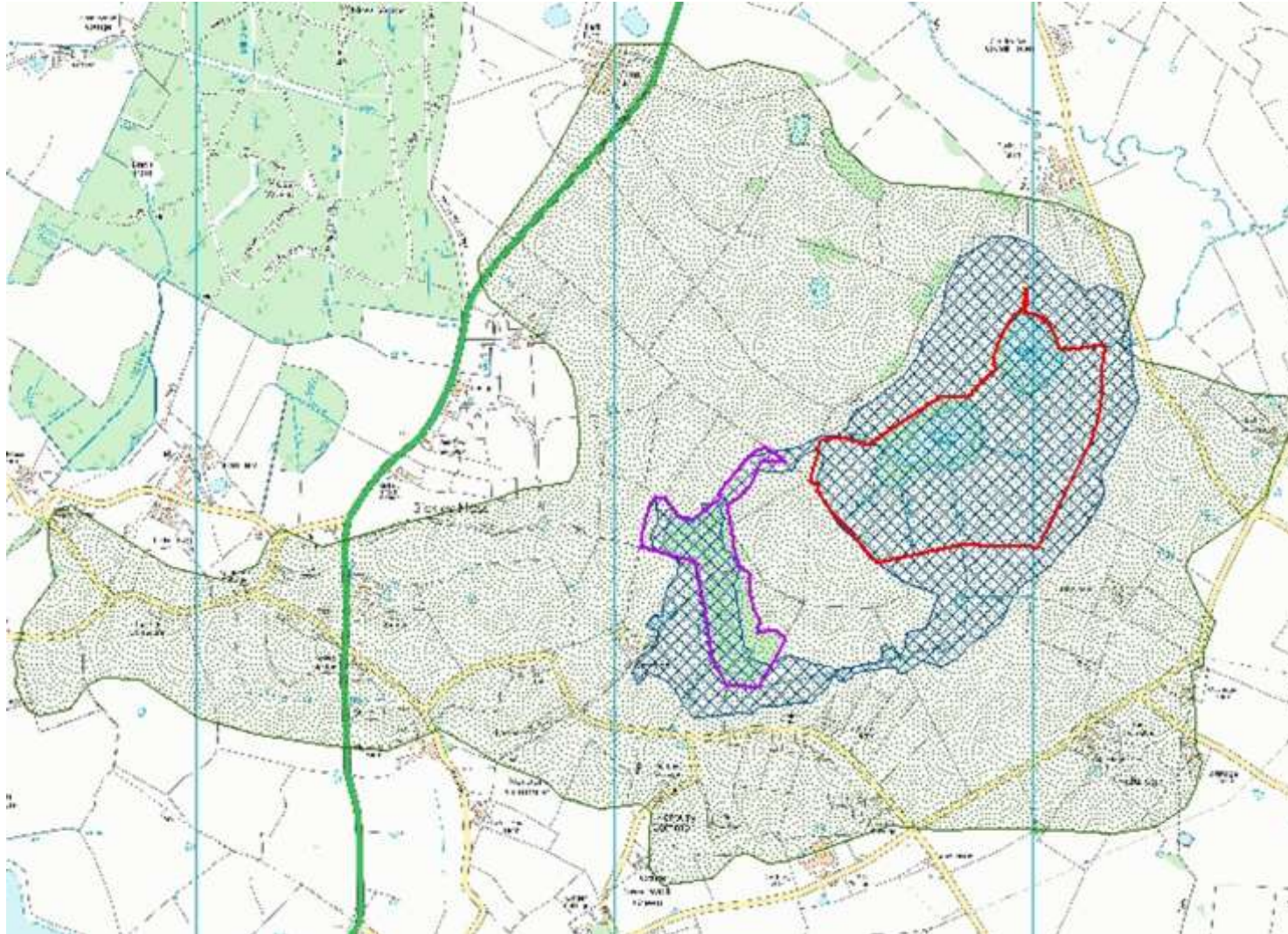
Lidar – at Site Level



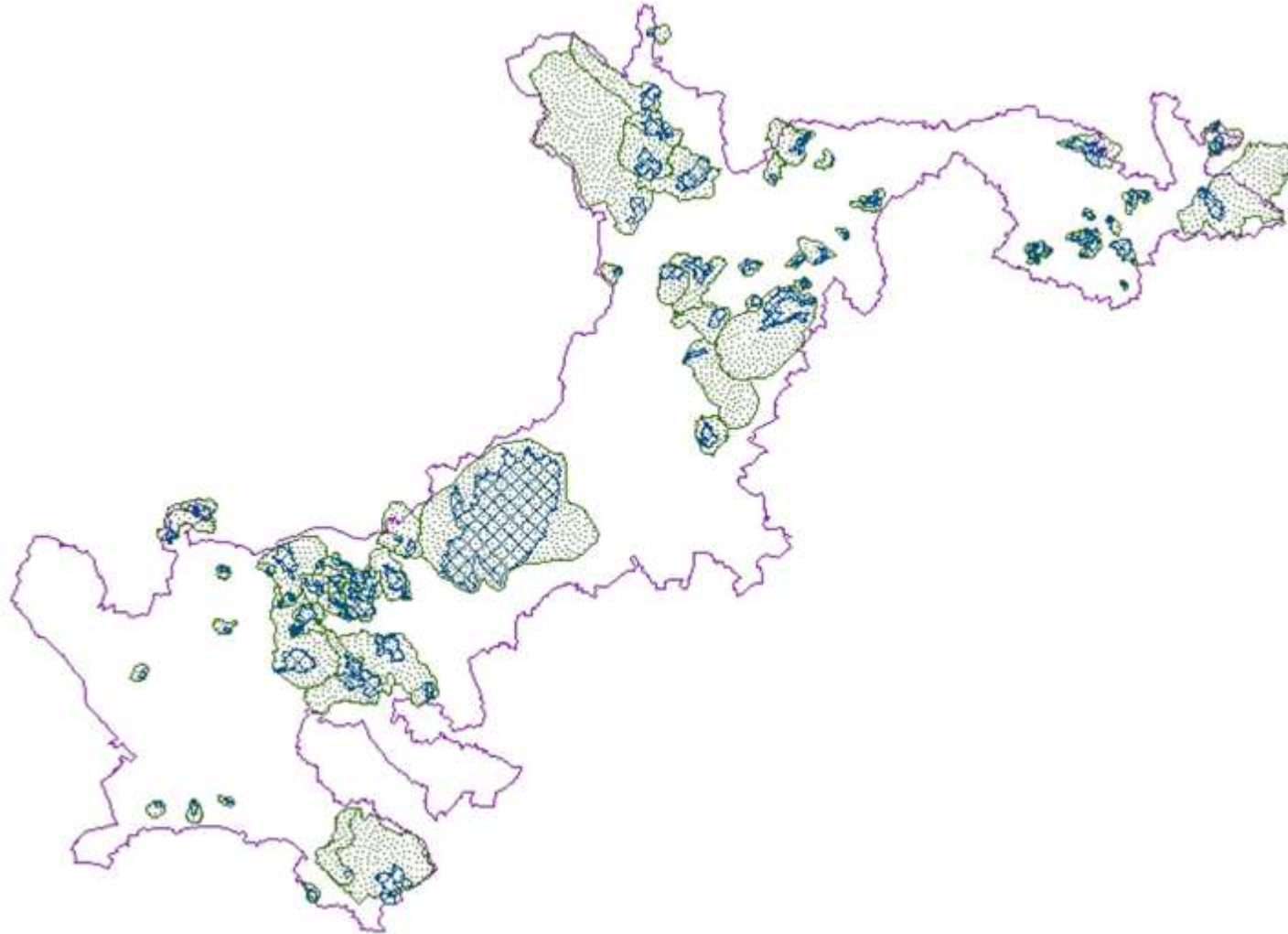
Lidar – at Catchment Level



“Functional Ecological Units”



“A Coherent & Resilient Ecological Network”





Thank You