



Ponderful

PONDS FOR CLIMATE

Managing, restoring and creating ponds and pondsapes for climate change adaptation

Measures that can be applied to ponds and pondsapes to enhance their role as nature-based solutions broadly fall into three categories:

1. Management of ponds as nature-based solutions

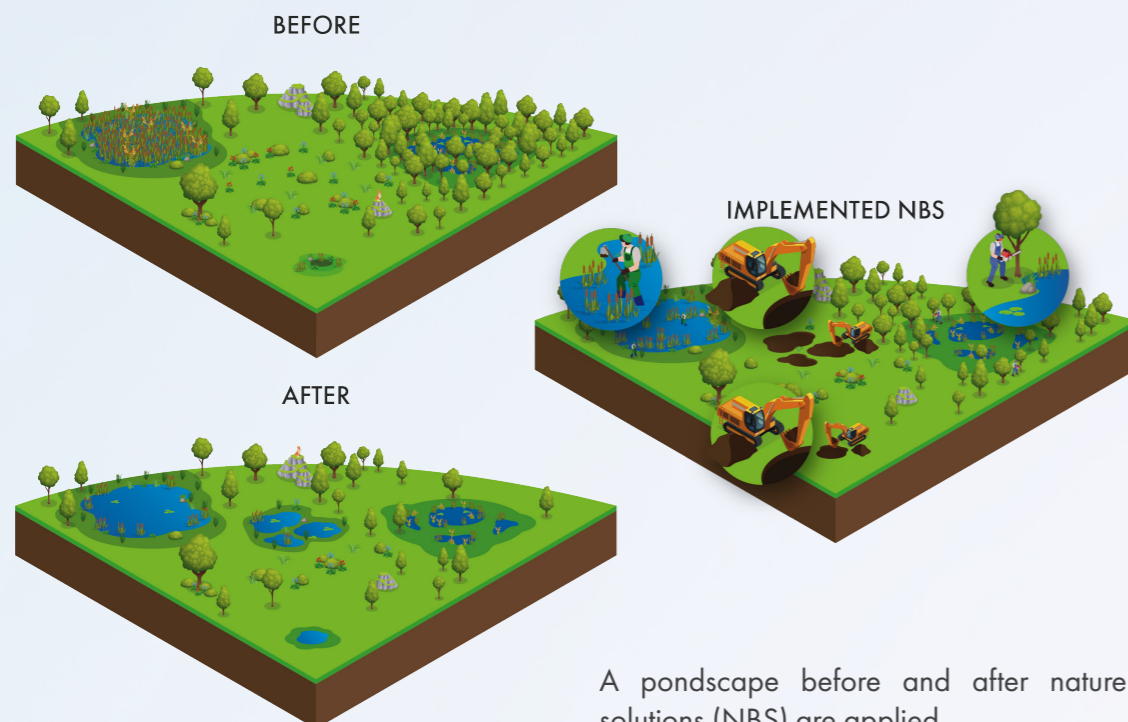
Applying practical measures to existing ponds or pondsapes to maintain their function as nature-based solutions. Management at the landscape scale also includes protecting existing high-quality ponds.

2. Restoration and 'resurrection' of ponds as nature-based solutions

Where ponds have lost their function, or to recreate habitat for a particular species, more intense intervention may be required. Restoration can also involve the 'resurrection' of 'ghost' ponds, re-establishing old ponds which have been deliberately filled in.

3. Creation of ponds as nature-based solutions

Digging or building a new pond in a location where there was no pond before brings this nature-based solution into the pondscape. Creating new ponds increases the amount of clean water in the landscape or pondscape, increases freshwater habitat connectivity and reverses the effects of pond loss.



A pondscape before and after nature-based solutions (NBS) are applied.



FREQUENT MANAGEMENT

(e.g. annual grazing to minimise scrub growth)

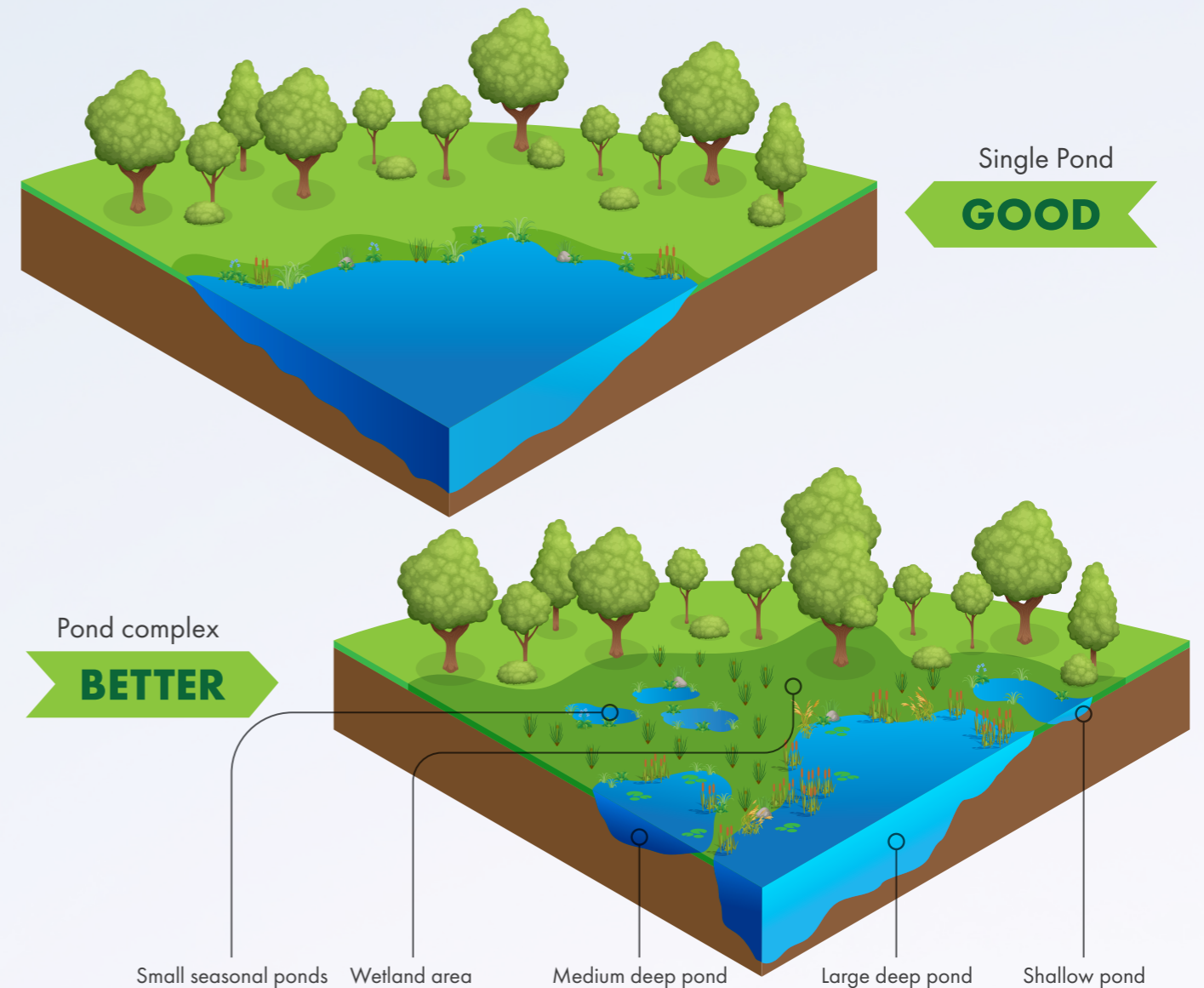
OCCASIONAL MANAGEMENT

(e.g. coppicing scrub on a five year rotation)

RESTORATION

(e.g. removing most of the scrub entirely)

The pond management-restoration continuum. The same action (e.g. scrub management) can be considered as either management or restoration, depending on the level of disturbance and frequency of intervention.



Making single new ponds with clean water is good for freshwater biodiversity. Making a complex of ponds is better.



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