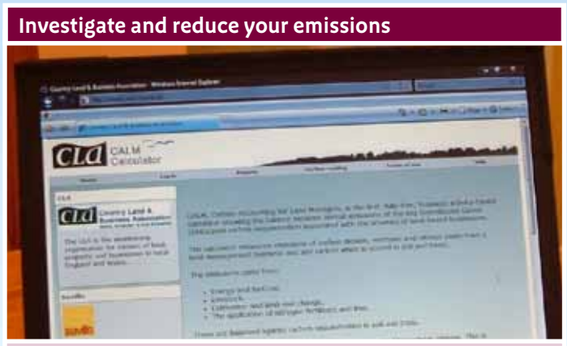
Farming and climate change

Make the most of Environmental Stewardship

Investigate and reduce your emissions



The CALM-ES tool (**www.calm.cla.org.uk**) enables you to make an informed estimate of the Greenhouse Gas emissions arising from your land management and to select ES options and other actions that will help to reduce emissions.

Protect soil and water

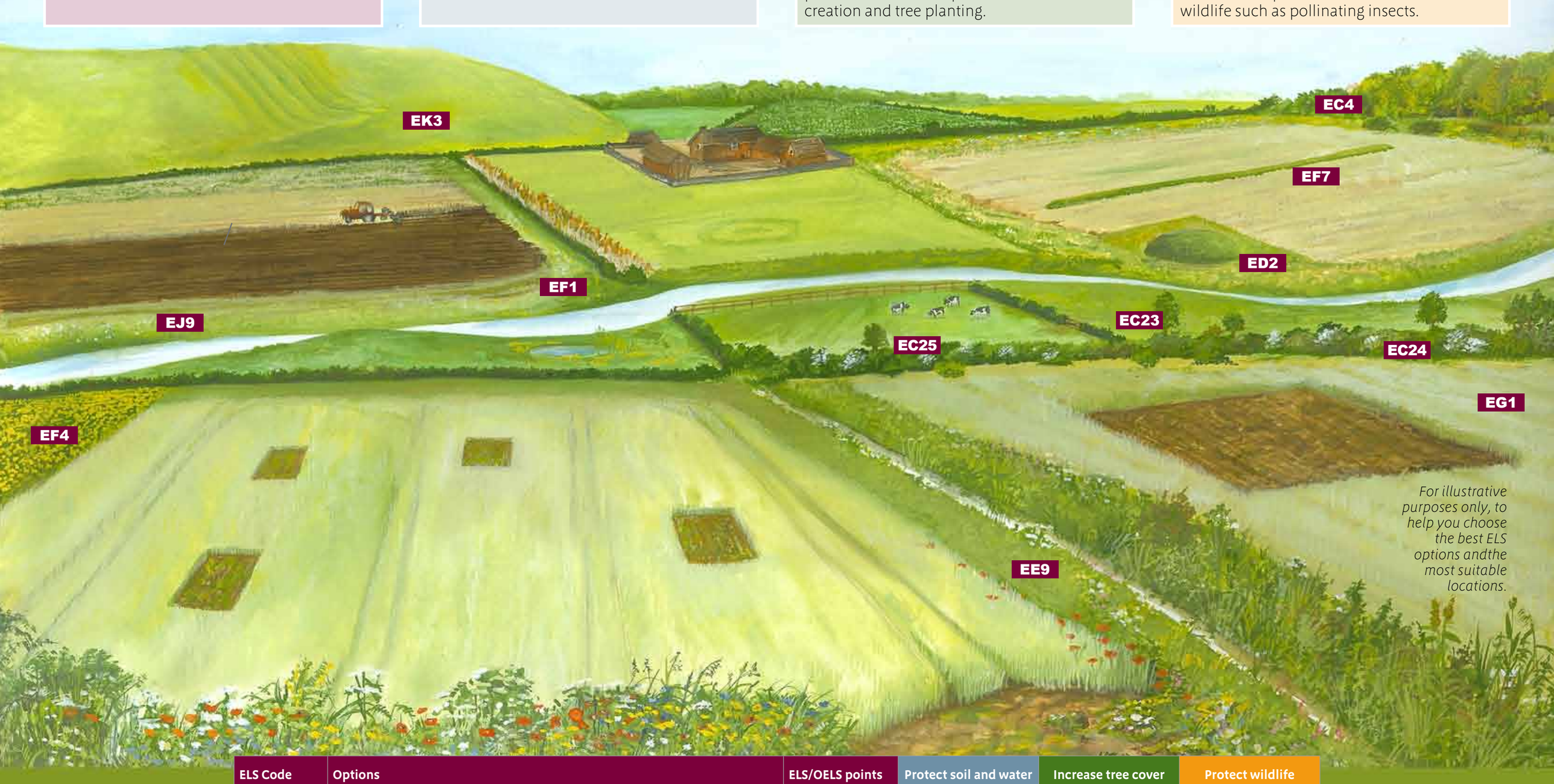
Good soil management will protect the carbon stored in the soil and protect the soil as an agricultural resource. Use the options identified in the *Farming for cleaner water and healthier soil* leaflet. Peat soils are especially valuable and can be restored under HLS.

Increase tree cover

Increasing tree cover provides additional shade for livestock and habitat for wildlife. Use the hedgerow tree option to grow new hedgerow trees and the hedgerow tree buffer strip options to protect existing trees. HLS provides additional options for woodland creation and tree planting.

Protect wildlife

Help wildlife adapt to climate change by using ELS options to protect and manage valuable features such as woodlands, hedges and ponds, providing a variety of habitats across the farm. Beetle banks and Nectar flower mixtures can provide habitat for beneficial wildlife such as pollinating insects.



For illustrative purposes only, to help you choose the best ELS options andthe most suitable locations.

ELS Code	Options	ELS/OELS points	Protect soil and water	Increase tree cover	Protect wildlife
EC4/OC4	Management of woodland edges	380 per ha	✓	✓	✓
EC23/ OC23	Establishment of hedgerow trees by tagging	1 per tree		✓	✓
EC24/OC24	Hedgerow tree buffer strips on cultivated land	400/500 per ha		✓	✓
EC25/OC25	Hedgerow tree buffer strips on grassland	400/500 per ha		✓	✓
ED2/OD2	Take out of cultivation archaeological features currently on cultivated land	460/600 per ha	✓		
EE7/OE7	Buffering in-field ponds in improved permanent grassland	400/500 per ha	✓		✓
EE8/OE8	Buffering in-field ponds in arable land	400/500 per ha	✓		✓
EE9/OE9	6 m buffer strips on cultivated land next to a watercourse	400/500 per ha	✓		✓
EE10/OE10	6 m buffer strips on intensive grassland next to a watercourse	400/500 per ha	✓		✓
EF1/ OF1	Management of field corners	400/500 per ha	✓		✓
EF4/ OF4	Nectar flower mixture	450/550 per ha			✓
EF7/ OF7	Beetle banks	580/750 per ha	✓		✓
EG1/ OG1	Under-sown spring cereals	200/150 per ha	✓		✓
EJ5 / OJ5	In-field grass areas to prevent erosion and runoff	350 per ha	✓		
EJ9/ OJ9	12 m buffer strips for watercourses on cultivated land	400/500 per ha	✓		✓
EJ13/ OJ13	Winter cover crops	65 per ha	✓		✓
EK1/ OK1	Take field corners out of management	400/500 per ha	✓		✓
EK3/ OK3	Permanent grassland with very low inputs	150/180 per ha	✓		✓
EK4/OK4	Management of rush pastures	150/180 per ha	✓		✓
EL1/ OL1	Take field corners out of management in SDAs	100 per ha	✓		✓
EL3/OL3	Permanent grassland with very low inputs in SDAs	60 per ha	✓		✓
EL4/OL4	Management of rush pastures in SDAs	60 per ha	✓		✓

Arable reversion on priority features

Trailing hose

Farm wildlife

Buffer strip

Low input grassland

Nectar flower mix

Arable field corner

Hedgerow tree buffer strip

River bank erosion

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