

Appendix 1 – Summary of nature-based solutions for Kent

(taken from the draft report *Natural Solutions to Climate Change in Kent, draft V02, January 2021*)

Table 1 - quick win nature-based solutions (1-5 years)

Nature-based solution	Timescale	Opportunity Assessment	
		Benefits	Challenges
Active Woodland Management	Short Term (1-5 years)	Dark Green	Light Green
Grassland restoration	Short Term (1-5 years)	Light Green	Dark Green
Grassland protection	Short Term (1-5 years)	Dark Green	Light Green
Road verge naturalisation	Short Term (1-5 years)	Light Green	Light Green
Promotion of sustainable agriculture	Short Term (1-5 years)	Light Green	Dark Green
Retaining and protecting existing inland wetlands	Short Term (1-5 years)	Dark Green	Light Green
Restoration of natural floodplains (e.g. through blocking drains, lowering river walls)	Short Term (1-5 years)	Light Green	Dark Green
Green walls	Short Term (1-5 years)	Light Green	Light Green
Green roofs	Short Term (1-5 years)	Light Green	Light Green
Urban green space	Short Term (1-5 years)	Light Green	Dark Green
Naturalising road verges	Short Term (1-5 years)	Dark Green	Light Green
Street trees	Short Term (1-5 years)	Dark Green	Light Green
Retention and protection of existing coastal habitats	Short Term (1-5 years)	Dark Green	Light Green

KEY		
	Benefits	Challenges
Dark Green	Minimal benefits	Medium/long timeframe with many challenges
Medium Green	Some benefits	Medium timeframe with some challenges
Light Green	Plenty of benefits	Short timeframe with minimal challenges

Table 2 – medium to long term nature-based solutions (5-10 years)

Nature-based solution	Timescale	Opportunity Assessment	
		Benefits	Challenges
Restoration of natural flood plains through species reintroduction	Medium Term (1-5 years)		
Woodland Corridors	Medium Term (5-10 years)		
Woodland Expansion	Medium Term (5-10 years)		
Natural Regeneration	Medium Term (5-10 years)		
Restoration of natural river channels	Medium Term (5-10 years)		
Rewilding	Medium Term (5-10 years)		
Restoration of coastal habitats	Medium Term (5-10 years)		
Managed realignment of coastal defences	Medium Term (5-10 years)		
Natural coastal management	Medium Term (5-10 years)		
Sustainable drainage systems (SuDS)	Medium Term (5-10 years)		
Recreation of wetlands (such as fens)	Long Term (10+ years)		

KEY		
	Benefits	Challenges
Dark Green	Minimal benefits	Medium/long timeframe with many challenges
Medium Green	Some benefits	Medium timeframe with some challenges
Light Green	Plenty of benefits	Short timeframe with minimal challenges