

Multiple benefits from catchment restoration

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Biodiversity 2020 – the challenge

- **Outcome 1A** – at least 90% of priority habitats in recovering condition and 50% of SSSIs in favourable condition
- **Outcome 1B** – increase of at least 200,000 ha of priority habitat
- **Outcome 1C** – at least 17% of land and inland water managed for biodiversity and ecosystem services
- **Outcome 1D** – at least 15% of degraded ecosystems restored as contribution to climate change mitigation

Multiple Benefits

➡ Through upland restoration



Operation Peatland, Forest of Bowland



Multiple Benefits

➡ Through pond creation



Belford Burn, Northumberland



Multiple Benefits

➡ Through woodland planting



Woodland shelterbelt at Pont Bren

Woodland planting on the Belford Burn

Multiple Benefits

➡ Through woody debris



Woody debris installed in Belford Burn



Leaving woody debris in situ at Holnicote



Woody debris combined with floodplain attenuation at NT Holnicote. Somerset



Multiple Benefits

➡ Through WFD – on watercourses

Weir removal at
Prestolee on R. Irwell



Multiple Benefits

➡ Through rural wetland creation



Lunt Meadows, North Merseyside

Multiple Benefits

➤ Through urban river restoration



Restoration of the
R. Medlock at
Clayton Vale LNR,
Manchester



Multiple Benefits

➡ Through urban flood risk management



**River Quaggy at Sutcliffe Park, South London,
before and after flood alleviation work**

Multiple Benefits

➡ Through flood storage area enhancement



Flood storage area of very limited biodiversity value



R. Beam Parklands, Dagenham

Multiple benefits

➤ Through SUDS



Green roof, London



Surface water collection pond, Dunfermline



SUDS for Schools project, Queen Elizabeth Girls' School, Pymmes Brook catchment, North London

SUDS for Schools examples



Susi Earnshaw Theatre School, Pymmes Brook catchment, North London



Queen Elizabeth Girls' School, Pymmes Brook catchment, North London

Multiple Benefits

➡ Through coastal realignment



Alkborough Flats managed realignment project, Humber Estuary

Steart managed realignment project, Severn Estuary

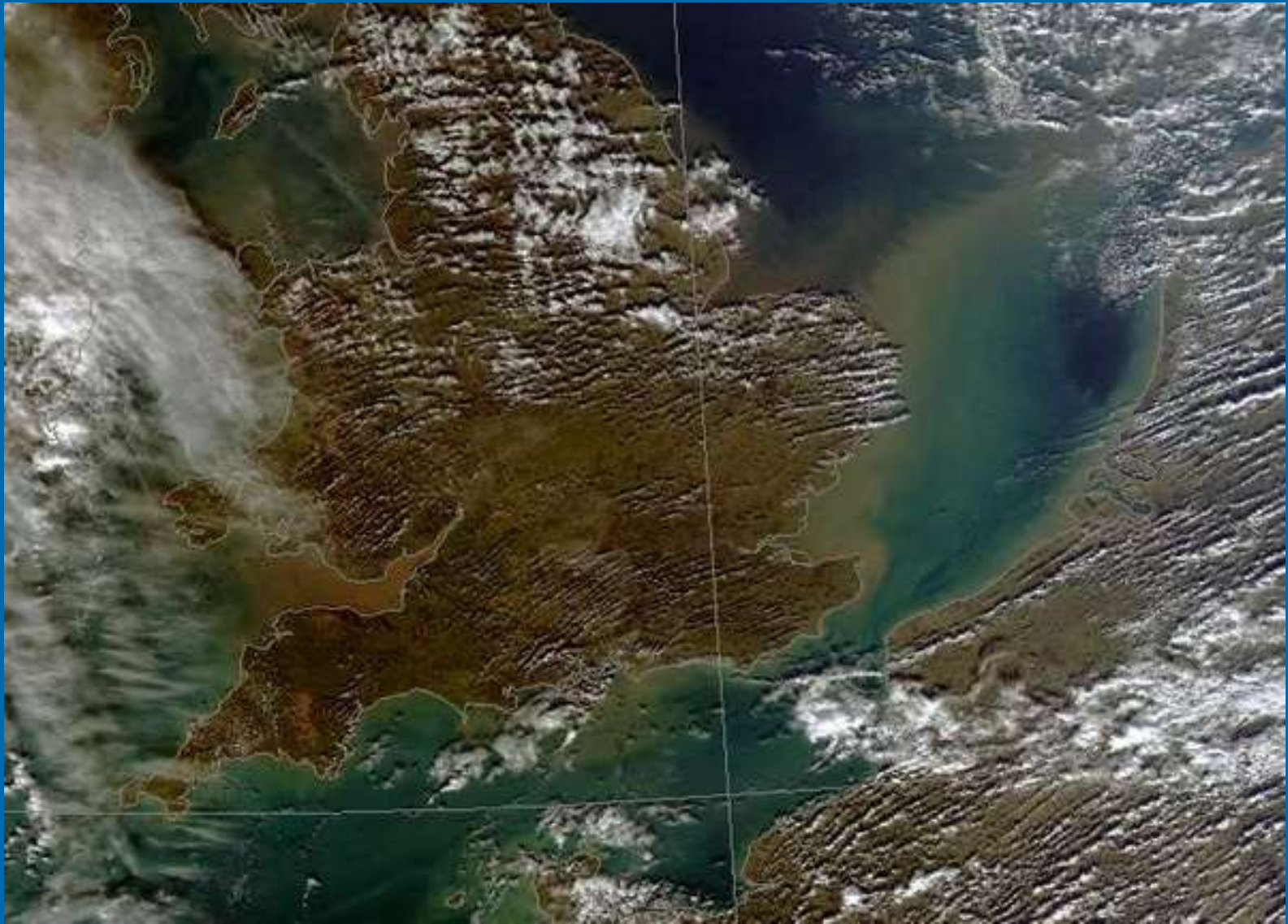


KILLER FACT from EA Ecosystem Services Case Studies report: 400 ha Alkborough Flats managed realignment scheme cost app. £10M and provided £12M of storm protection to land and property. Other ecosystems services benefits = app. £1M p.a.

Multiple Benefits

➡ Through soil management





Thankyou for your attention

