Grasslands don't have to be old to be interesting

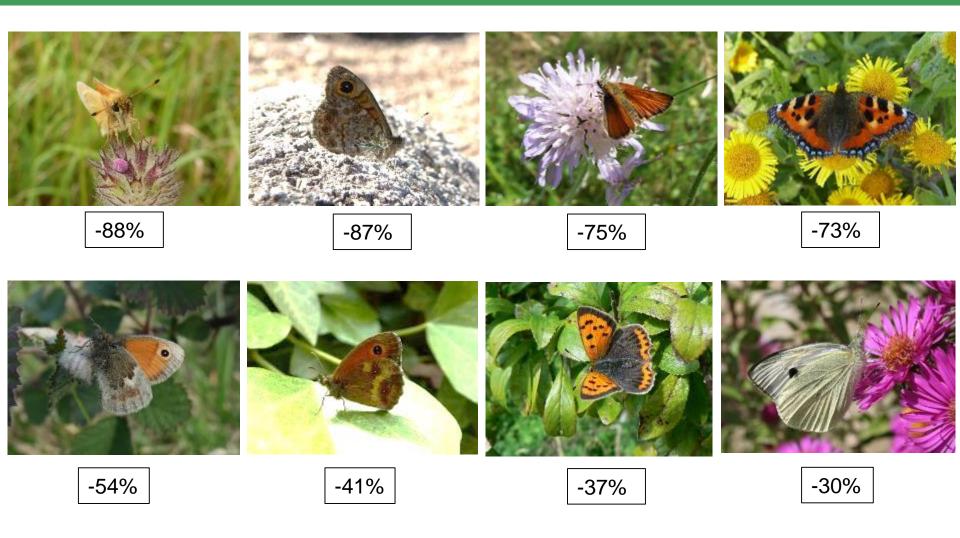








What is happening to our wider countryside butterflies?









Why are declines happening?

We don't know, but reasons include:

- Loss of habitat / declining quality
- The bits that are left are too far apart
- Air pollution: nitrogen deposition

Improving wildlife in our greenspaces

- What makes grasslands diverse?
- What makes grass grow?



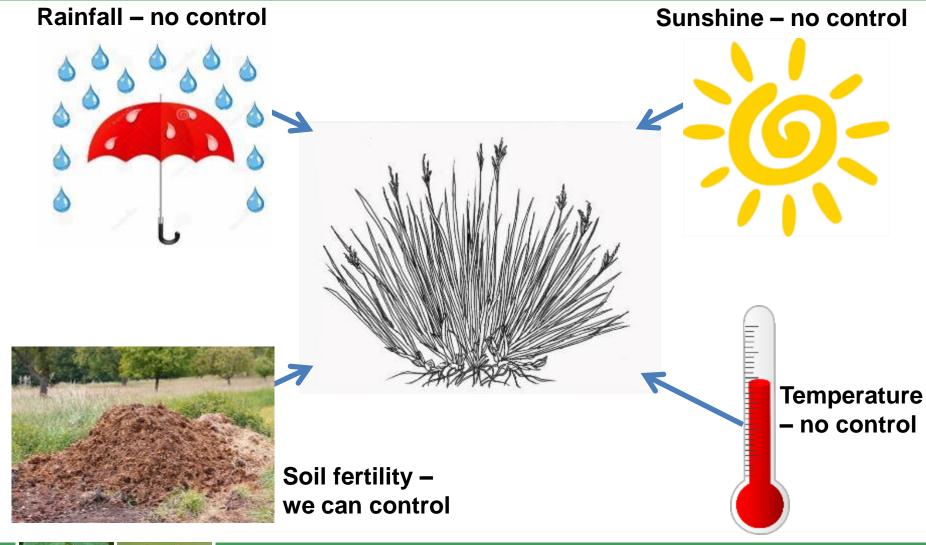








Can we control the factors that make grass grow?

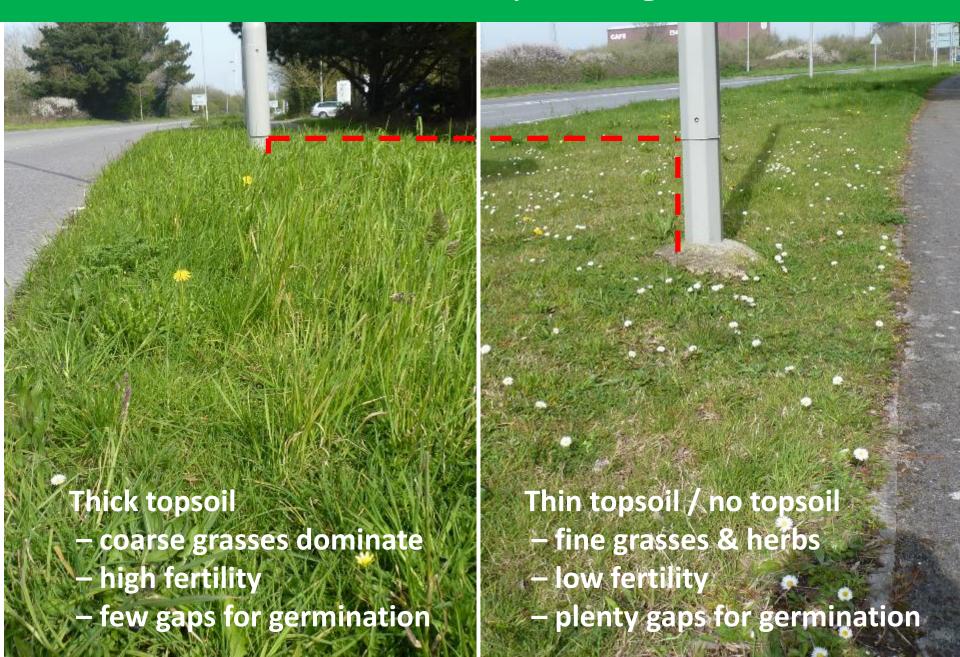








What does soil fertility do to grassland?

















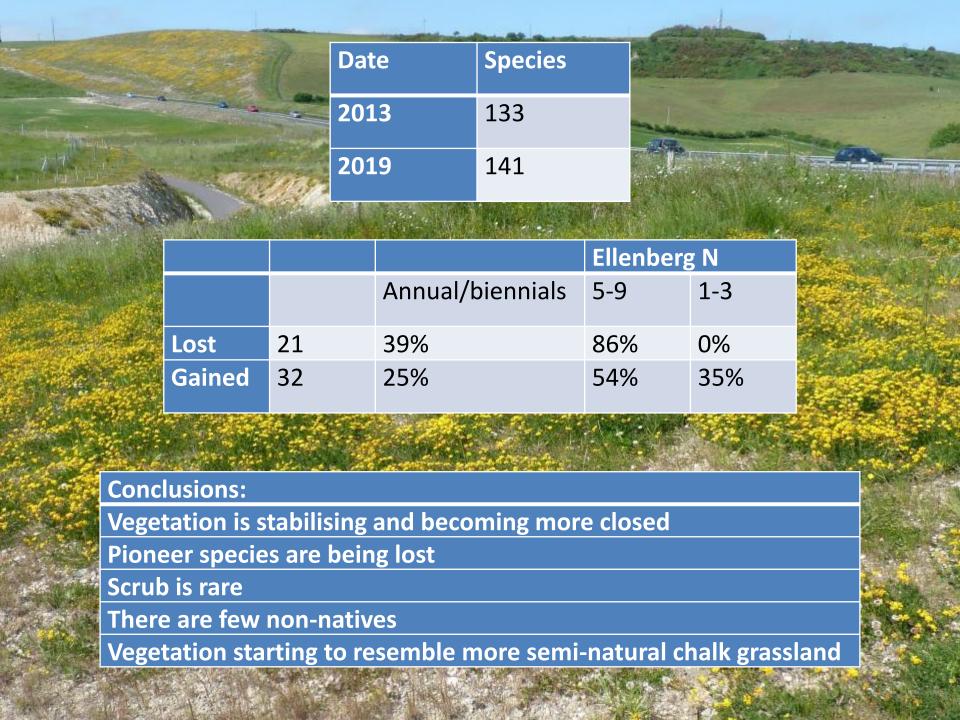
Weymouth Relief Road, Dorset (2009 – 2011)



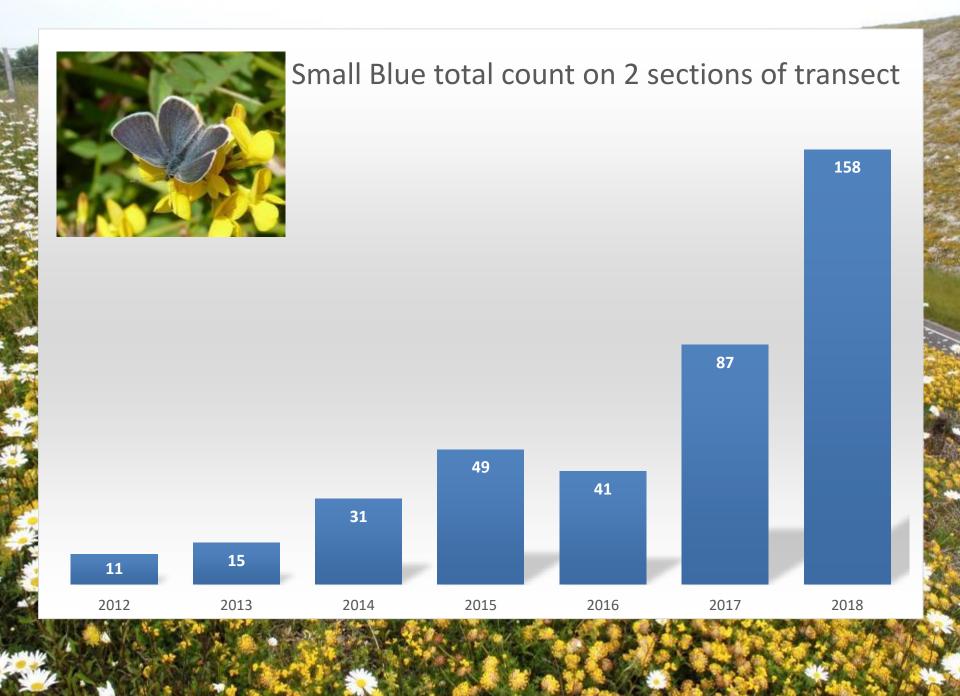






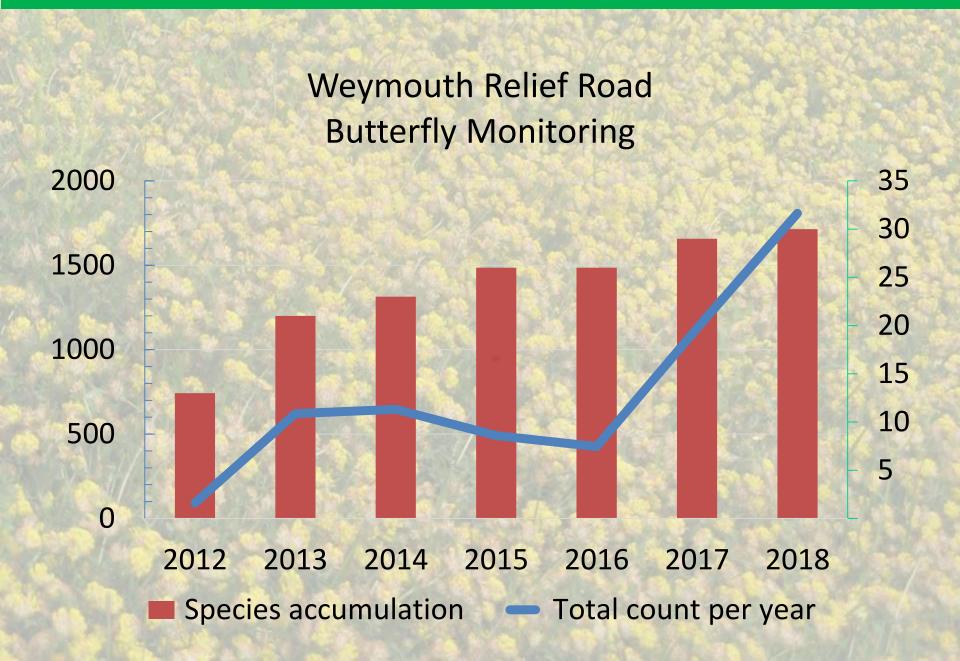








If you build it they will come ...



Conclusions

- Herb-rich grasslands of value to invertebrate conservation are straightforward to create
- Fundamental ecological principle: low fertility substrates lead to high plant/invertebrate diversity
- Vegetation growth can/should be controlled by design
- It takes time for invertebrate populations to establish, but ...
- Depending on substrate, great results can be achieved in fewer than 10 years, and certainly with 30 years





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