Brown hairstreak (*Thecla betulae*) distribution in a warming world

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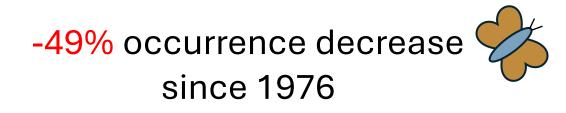
TVERC Micro-Internship



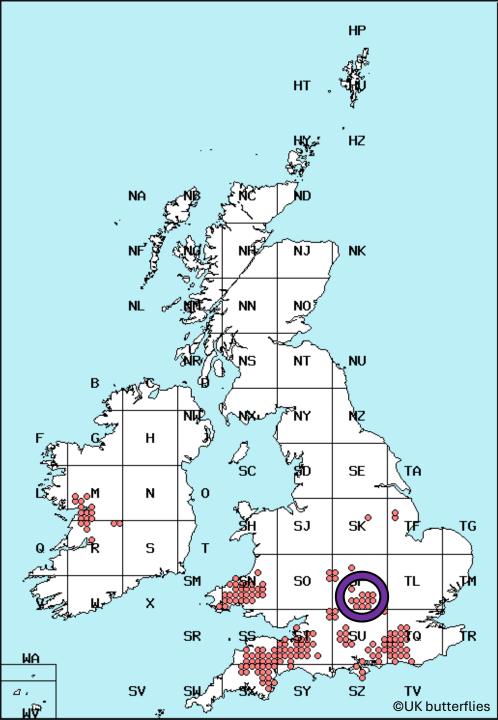
Thames Valley Environmental Records Centre

The Brown hairstreak is in decline

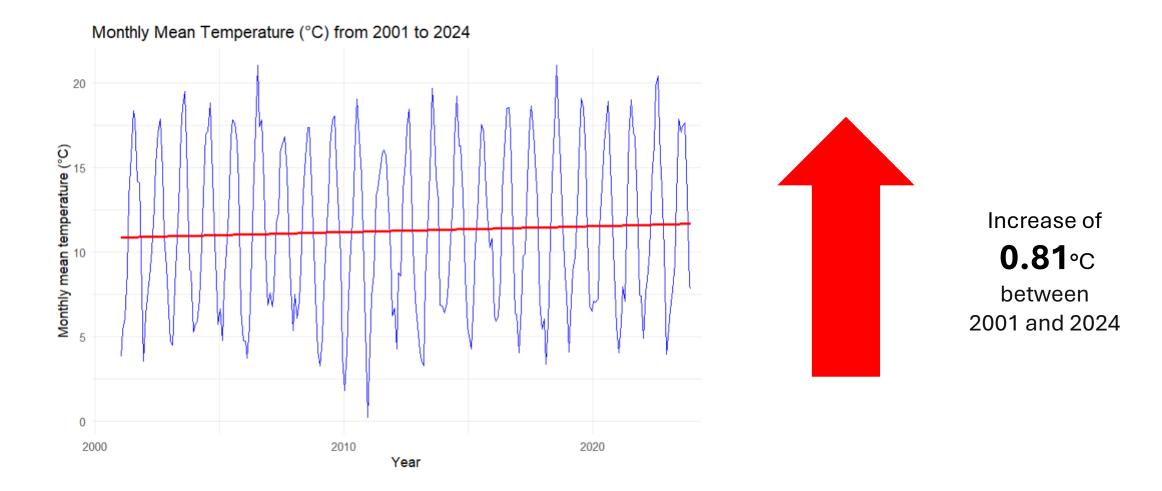




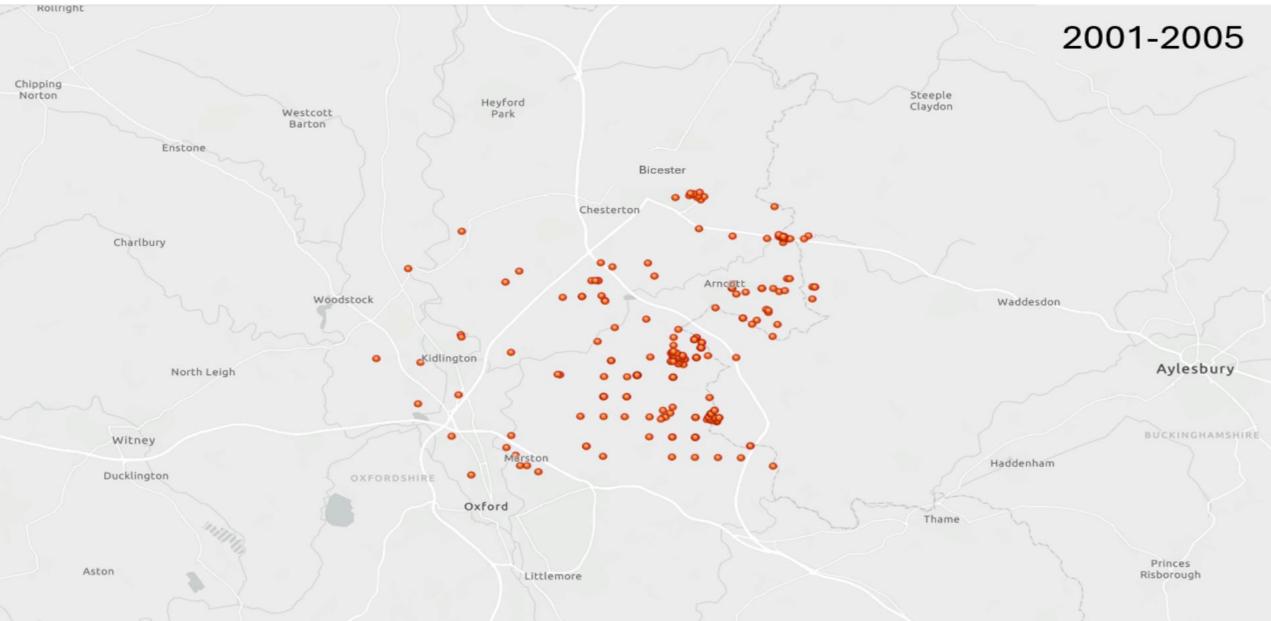


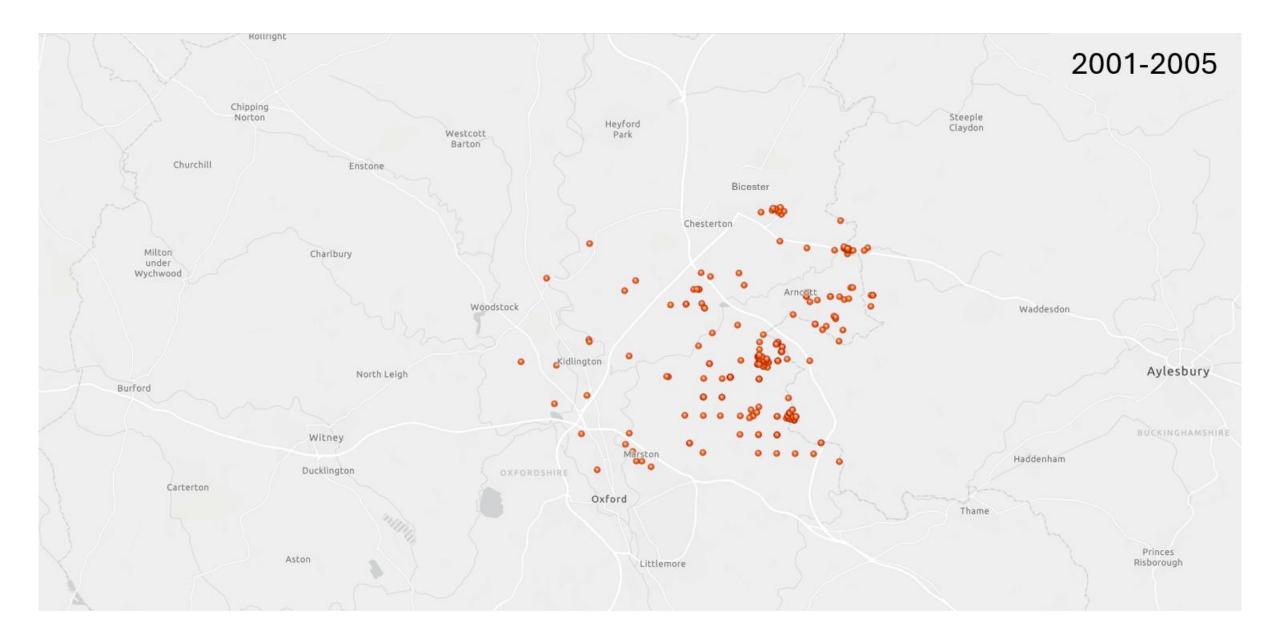


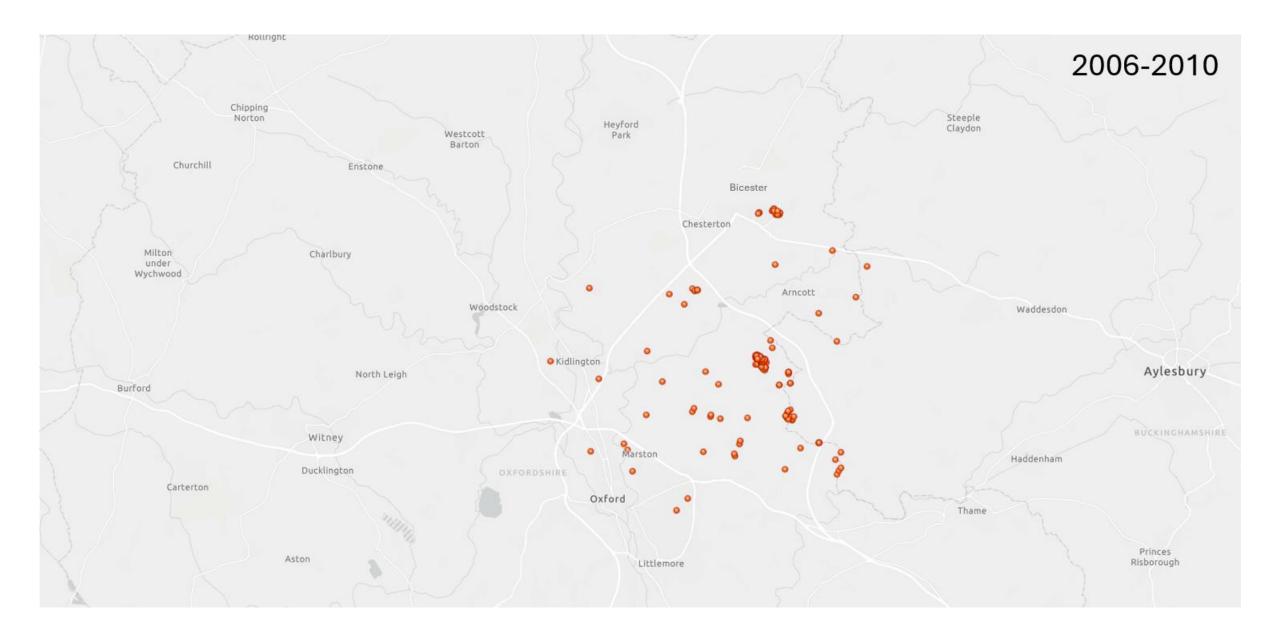
Climate has gotten warmer on average

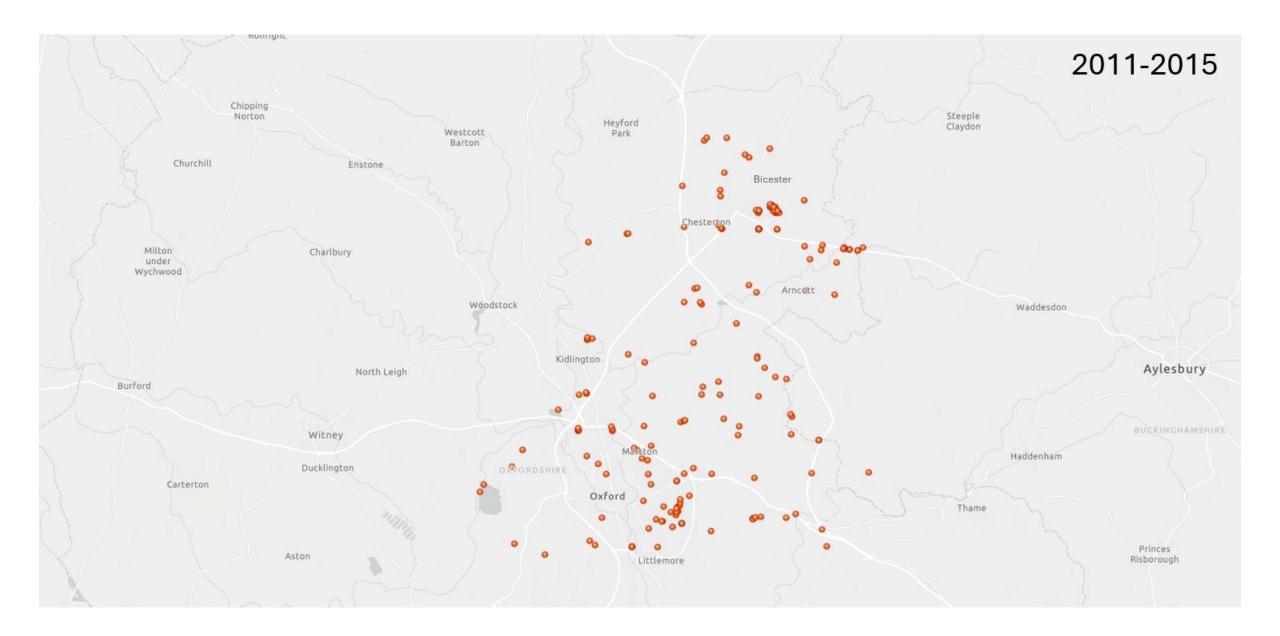


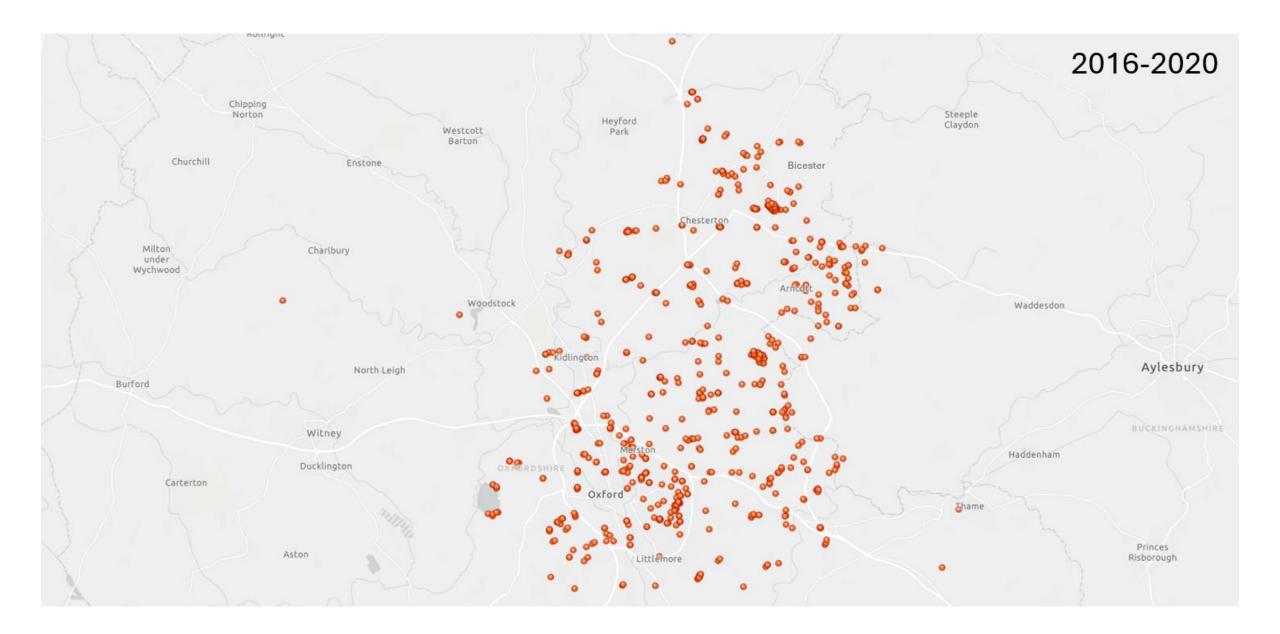
The distribution of the Brown hairstreak has generally increased

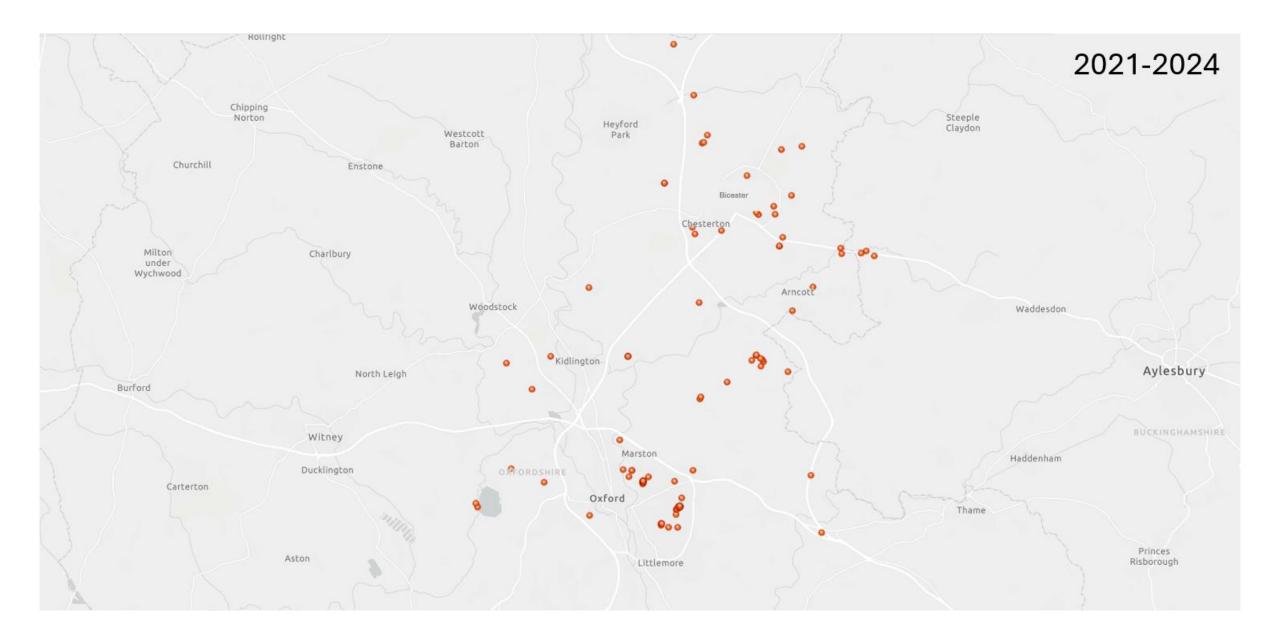






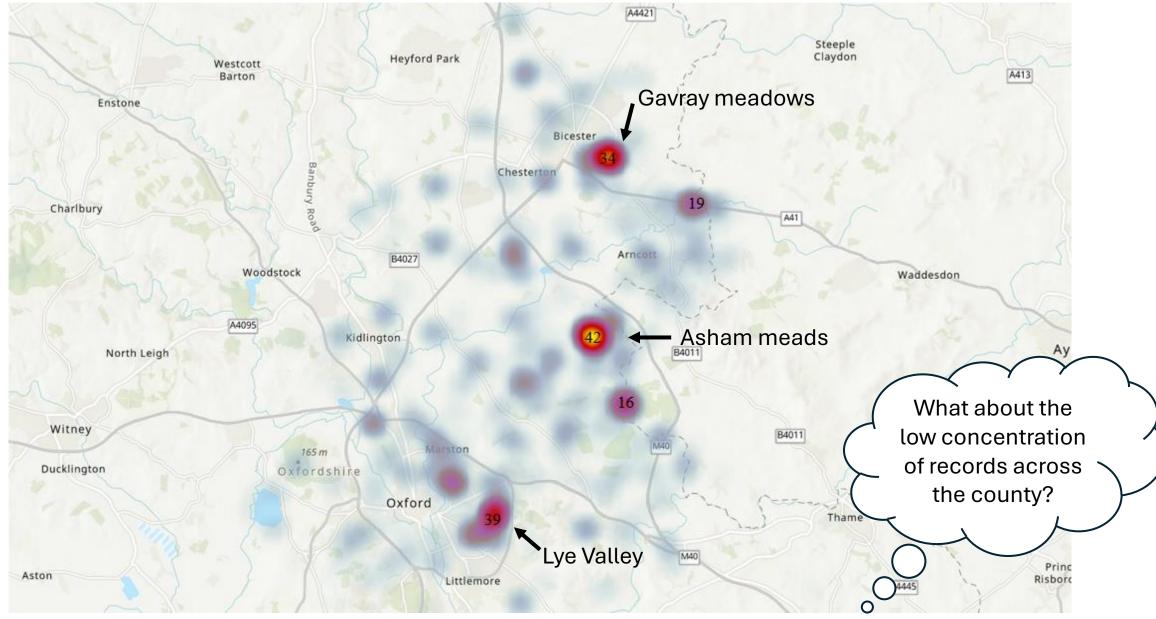




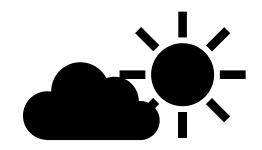




Brown hairstreak conservation



Conservation in a warming world





Climate models predict hotter summers and milder, wetter winters



How will this affect female post-mating dispersal and egg/larval development?



New favourable egg laying sites, whilst other sites become unfavourable due to the species' thermal tolerance



We need to continue surveying and recording to monitor the distribution of the Brown hairstreak and identify important egg laying sites for the future

Thank you!!

