



Removal of an invasive tree promotes diverse habitats for birds

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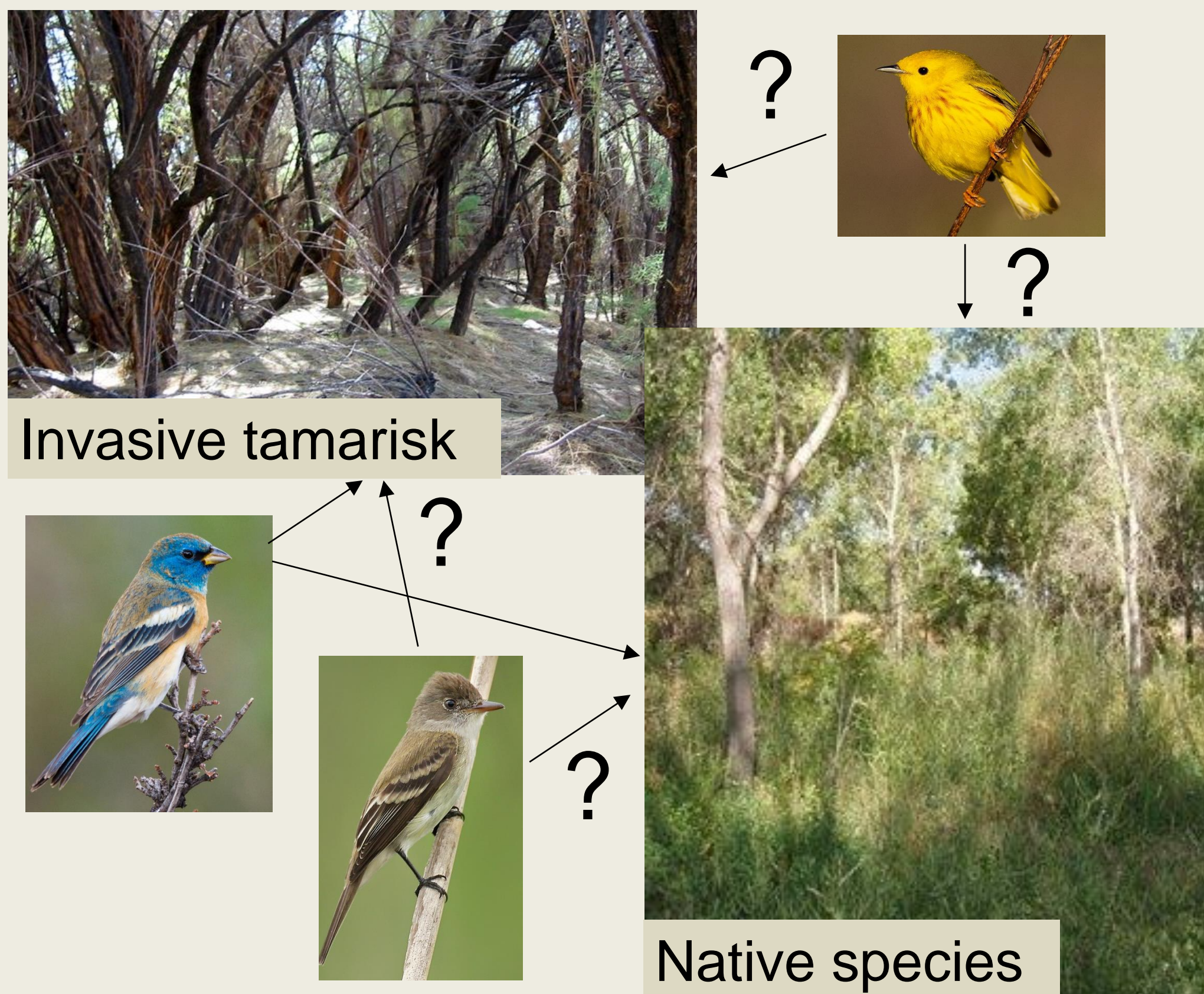
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The problem

Different birds have different habitat needs, even at a small scale

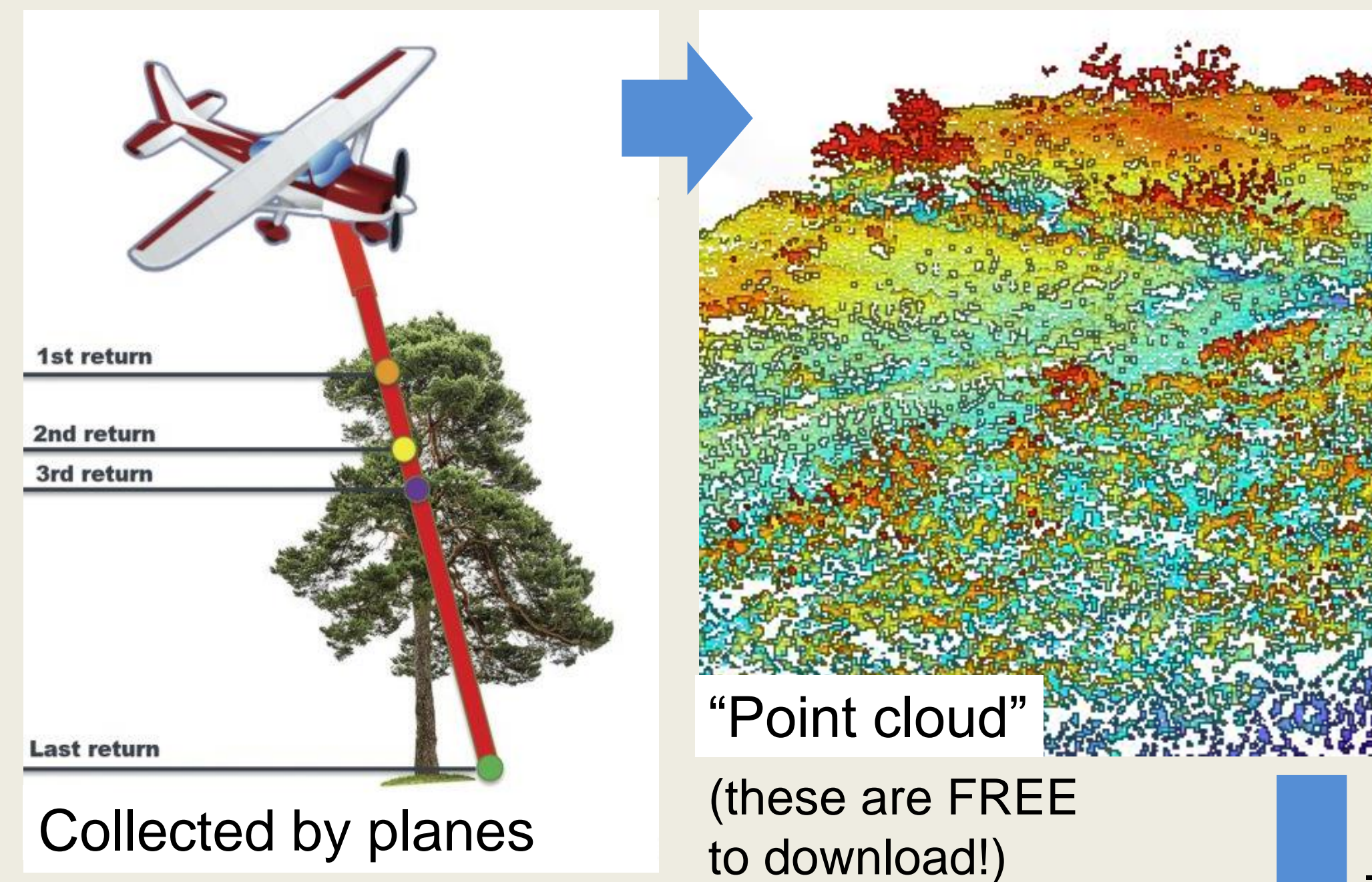
Invasive trees take over – **does removing them improve habitat for wildlife?**



How do we measure habitat diversity?

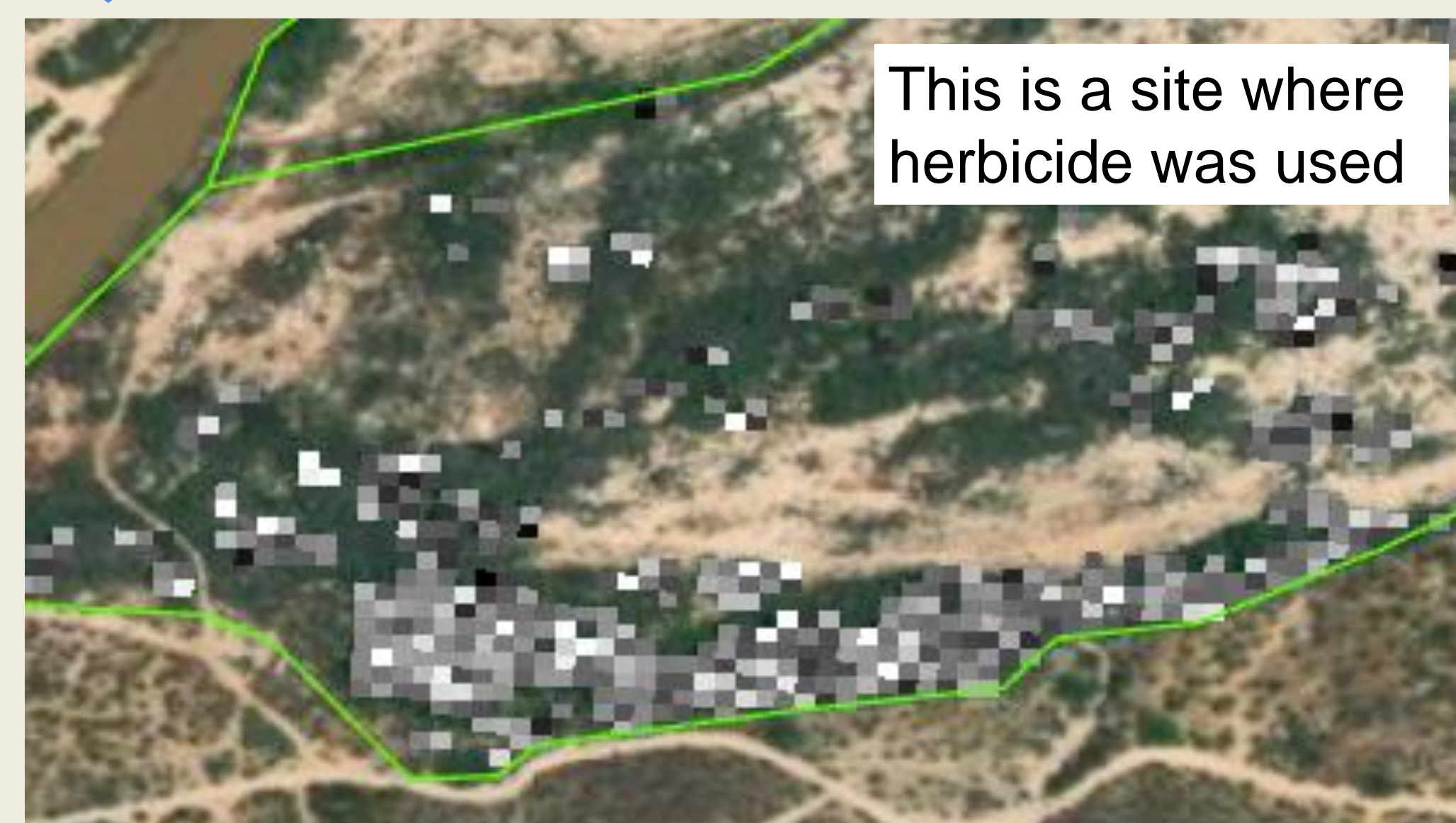
LiDAR = Light Detection And Ranging

(think radar but with light)



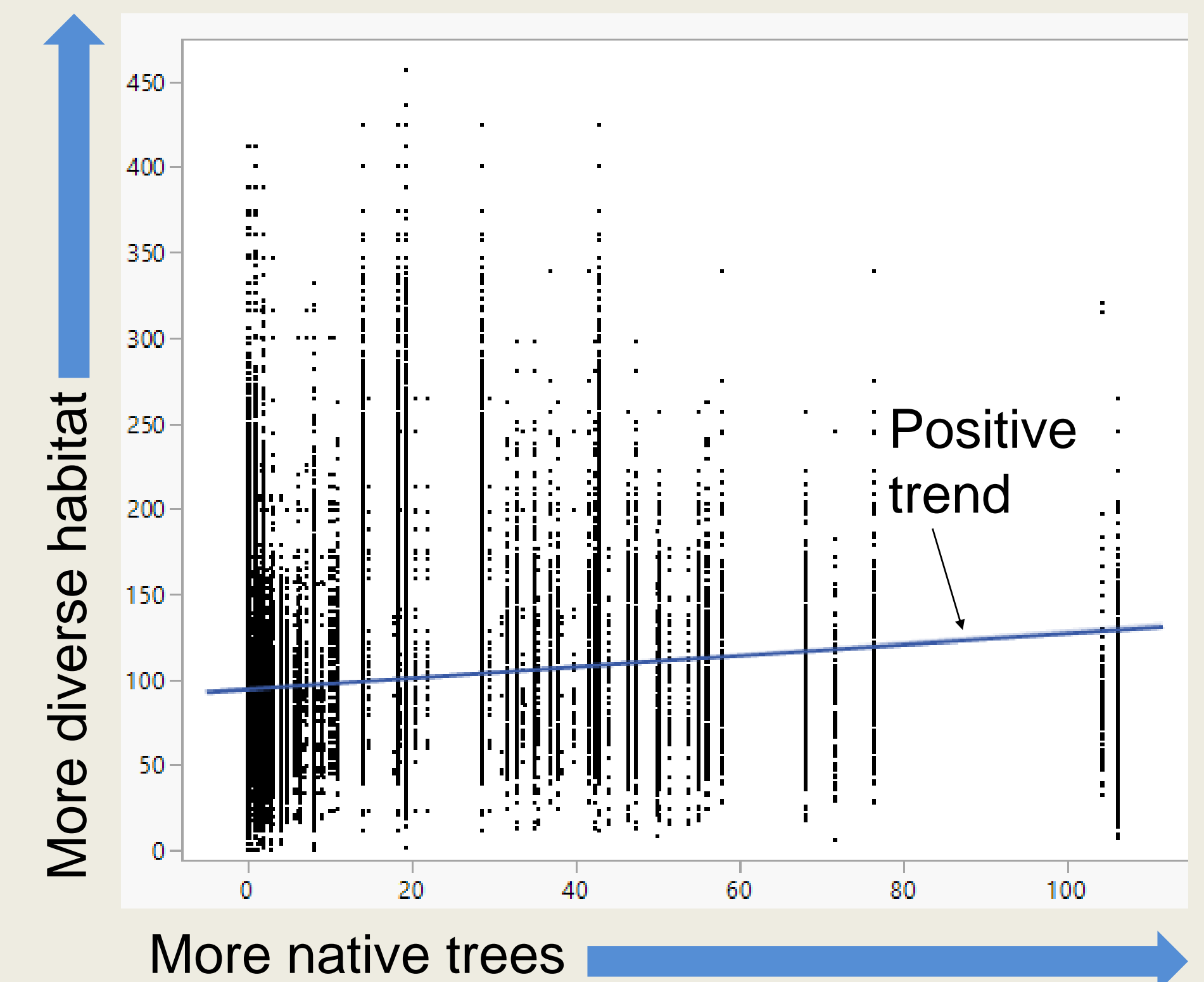
Existing field data on tree species and removal methods for each site (green lines show site boundaries)

lots of math



Map showing areas where there is high diversity in density of leaves per square meter (white pixels show the most diversity)

Current results



Native trees are better for habitat diversity and



Use of herbicide and heavy machinery get us nearly as much habitat diversity as in un-invaded sites!

Tamarisk is a common target for removal



Does removal create habitat diversity?

Acknowledgements

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