



COLLEGE OF AGRICULTURE & LIFE SCIENCES

Natural Resources
& the Environment

A Wide-Ranging Research Agenda for Beefing up Wildlife Conservation on Southern Arizona's Working Lands



Jesse Alston

**Most of the best wildlife habitat
worldwide is working rangelands**



**This is certainly true in
southern Arizona**



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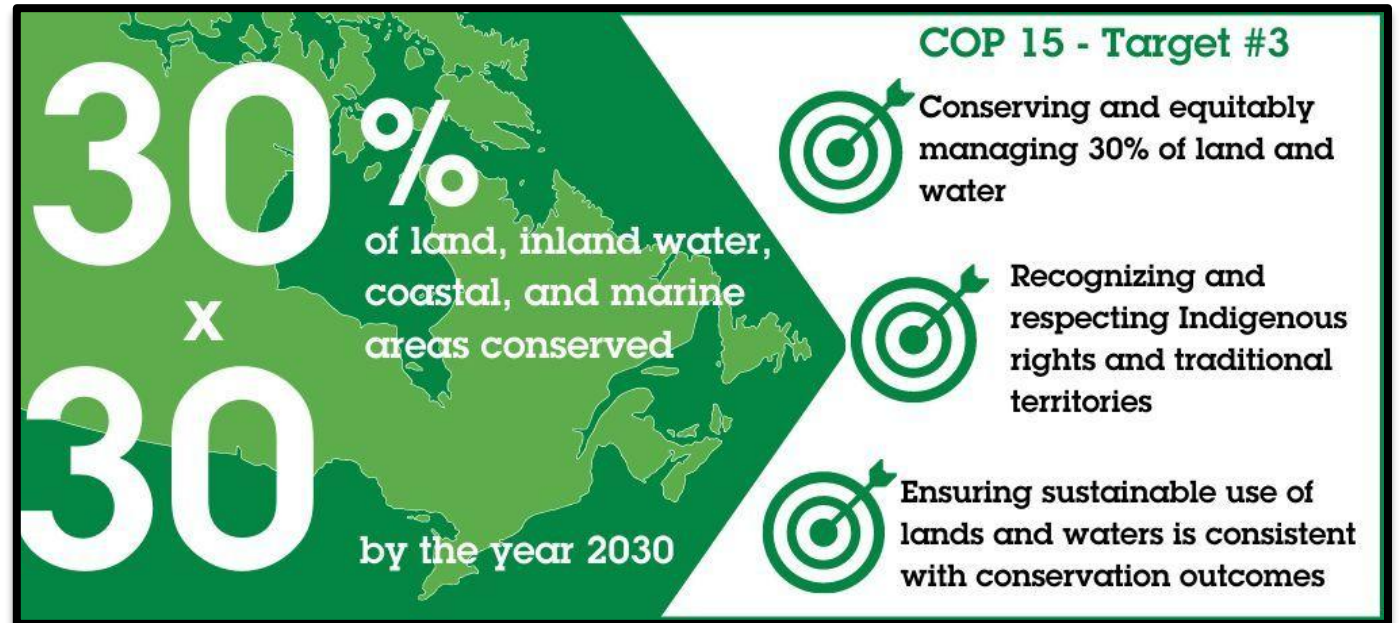
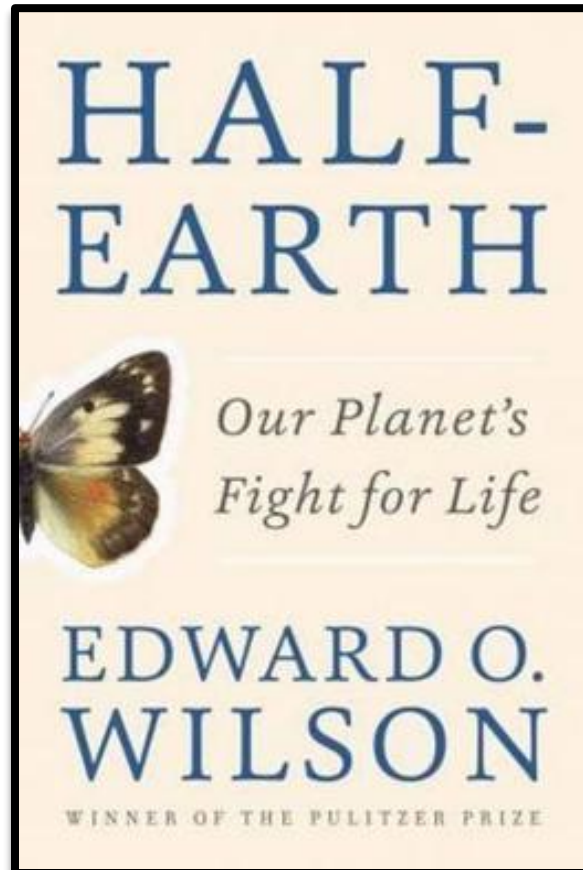
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Working lands are often ignored in wildlife conservation plans



**Some awesome groups are working to
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- **Critter Group Volunteers**
 - Southern Arizona Quail Forever
 - Arizona Safari Club International
 - Arizona Antelope Foundation

**We need to do research to ensure
resources are used efficiently**



**Wildlife-livestock coexistence is a
focus of my research program**



James Wainscoat

We are mapping wildlife habitat



We are quantifying value of private lands



We are mapping riparian trees



Fences are really bad for wildlife



**We have identified fencing for
removal and improvement**



We will continue to map fencing



Some basic research would also be helpful

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- **Example: Arizona laws**

Arizona law defines a legal fence

Arizona Revised Statutes, 3-1426. Lawful fence defined.

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A. A fence shall be deemed a lawful fence when it is constructed and maintained with **good and substantial posts** firmly placed in the ground at **intervals of not more than thirty feet**, upon which posts are strung and fastened **at least four barbed wires** of the usual type tightly stretched and secured to the posts and spaced so that the **top wire is fifty inches above the ground** and the **other wires at intervals below the top wire of twelve, twenty-two, and thirty-two inches**. If the posts are set more than one rod apart, the wires shall be supported by **stays placed** not more than seven and one-half feet from each other or from the posts, extending from the top wire of the fence to the ground, and each wire of the fence securely fastened thereto.

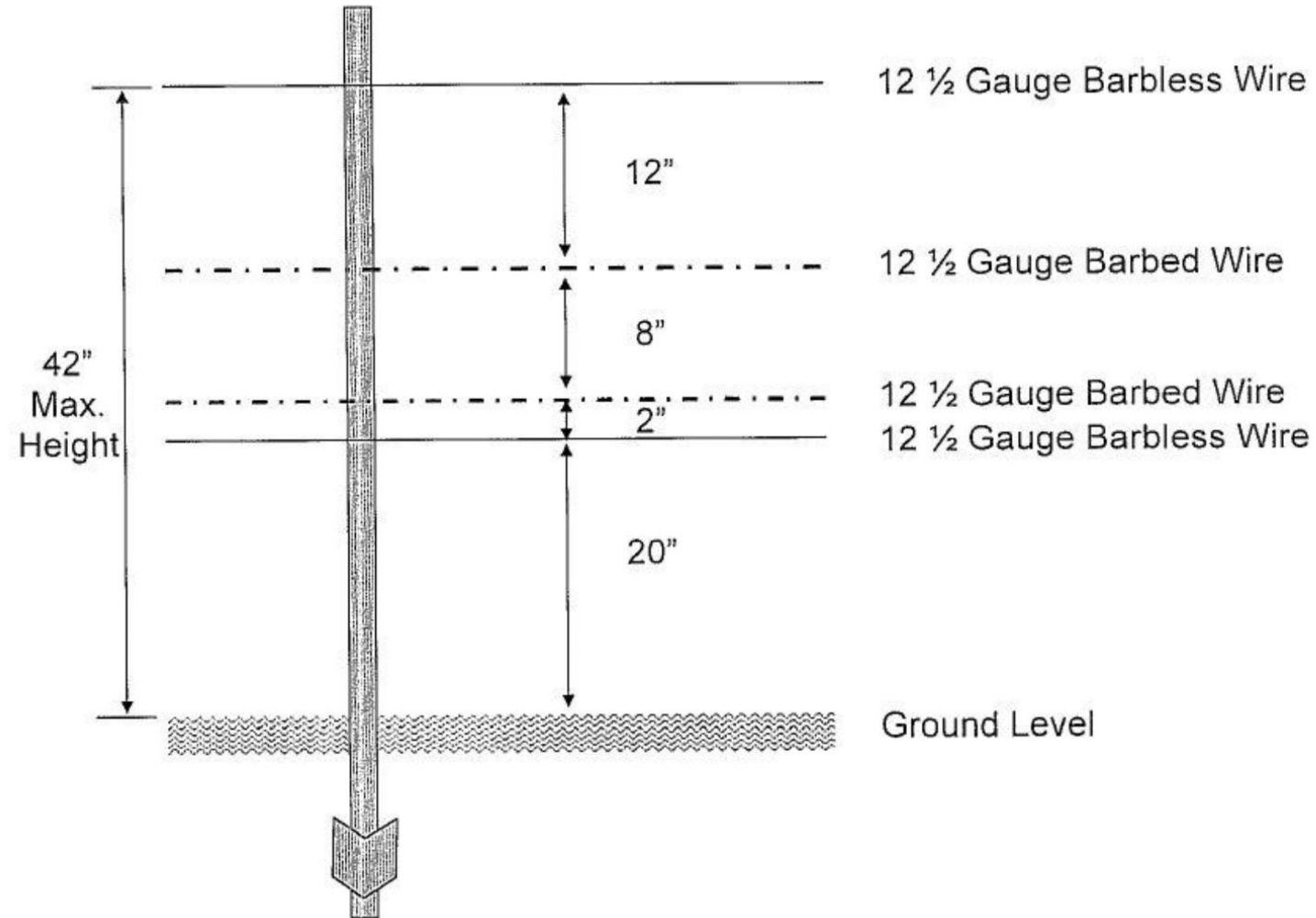
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B. All fences constructed other than as provided in subsection A, or of **other materials equally as strong and otherwise effective** to turn livestock as the fences described in subsection A, shall also be deemed lawful fences within the meaning of this section.

AZGFD has recommended fence specs



Fence openings may also be effective

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Jump-Style Crossing

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Jump-Style Crossing

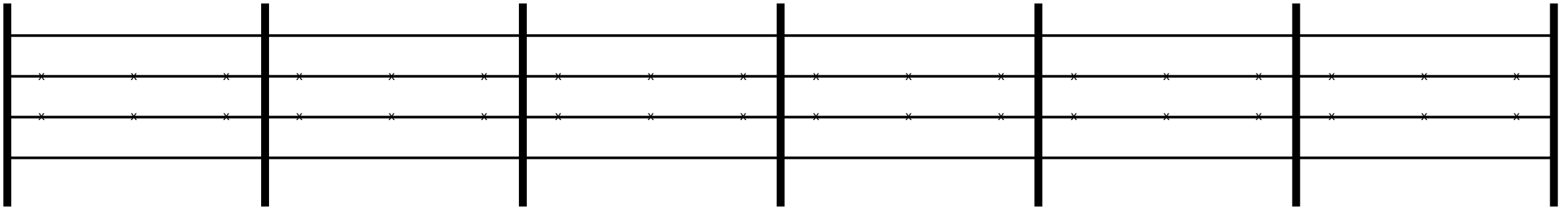
Ladder-Style Crossing



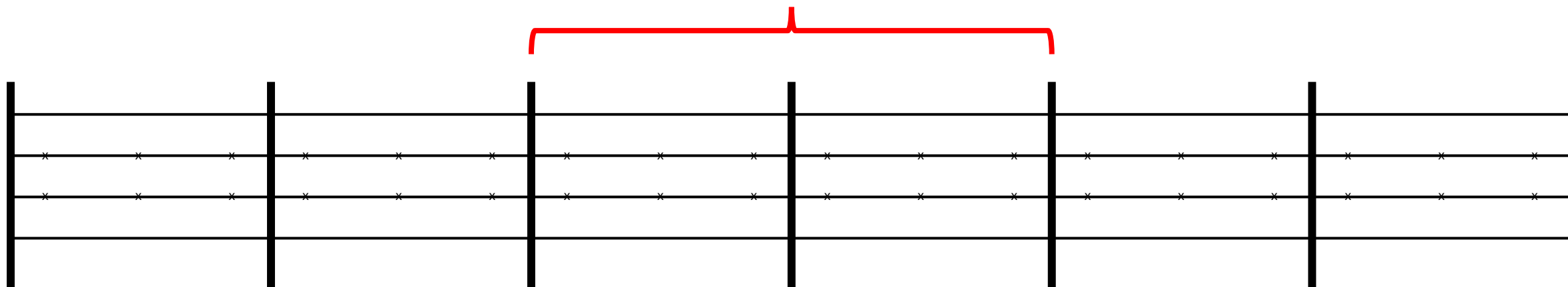
We can also import ideas from abroad



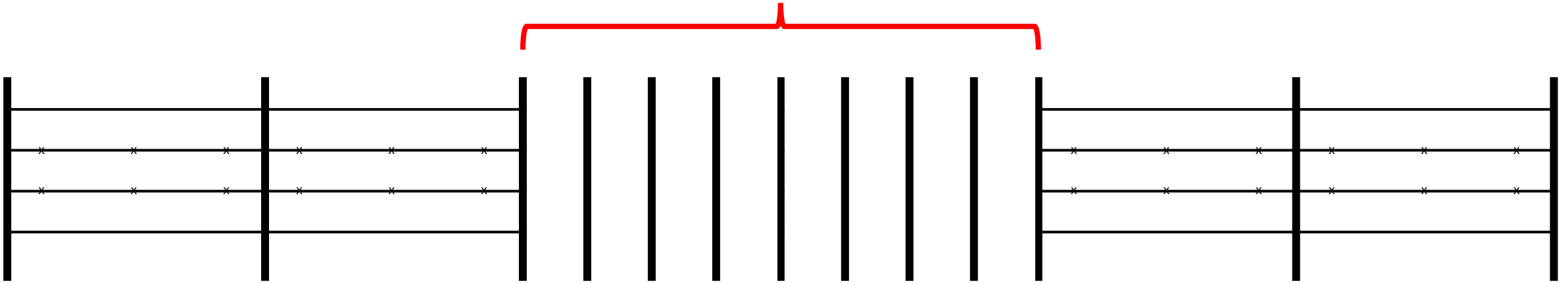
Standard barbed wire fence



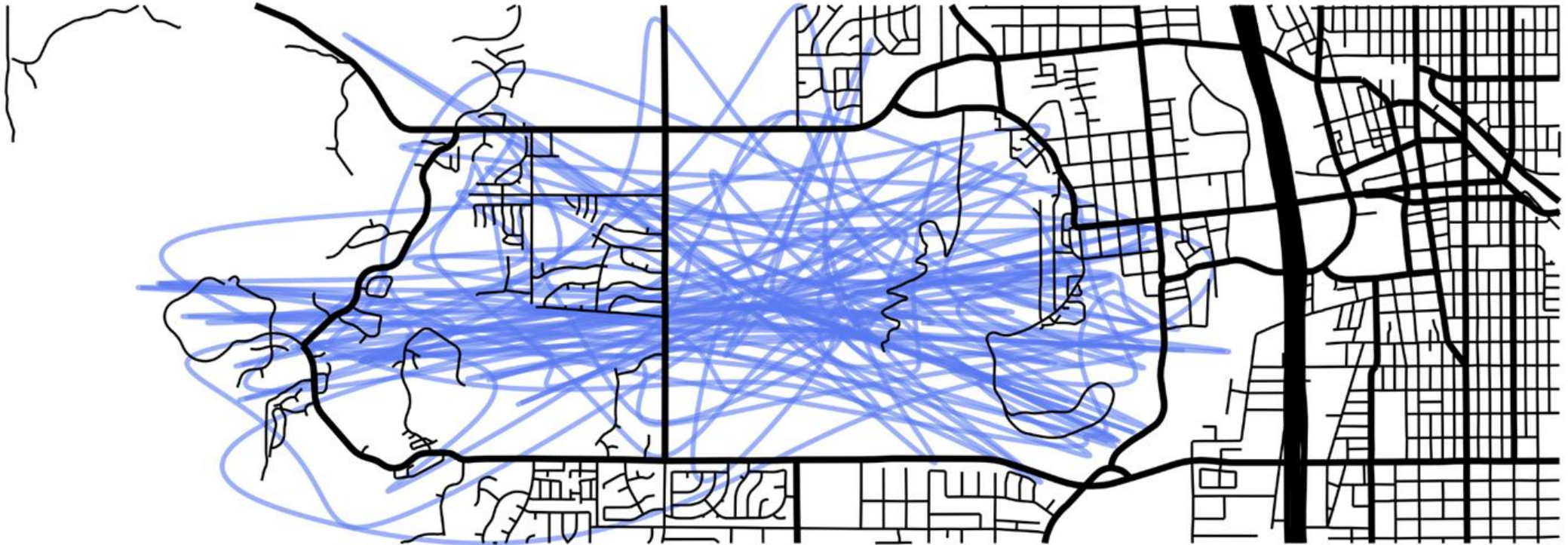
We can remove small sections...



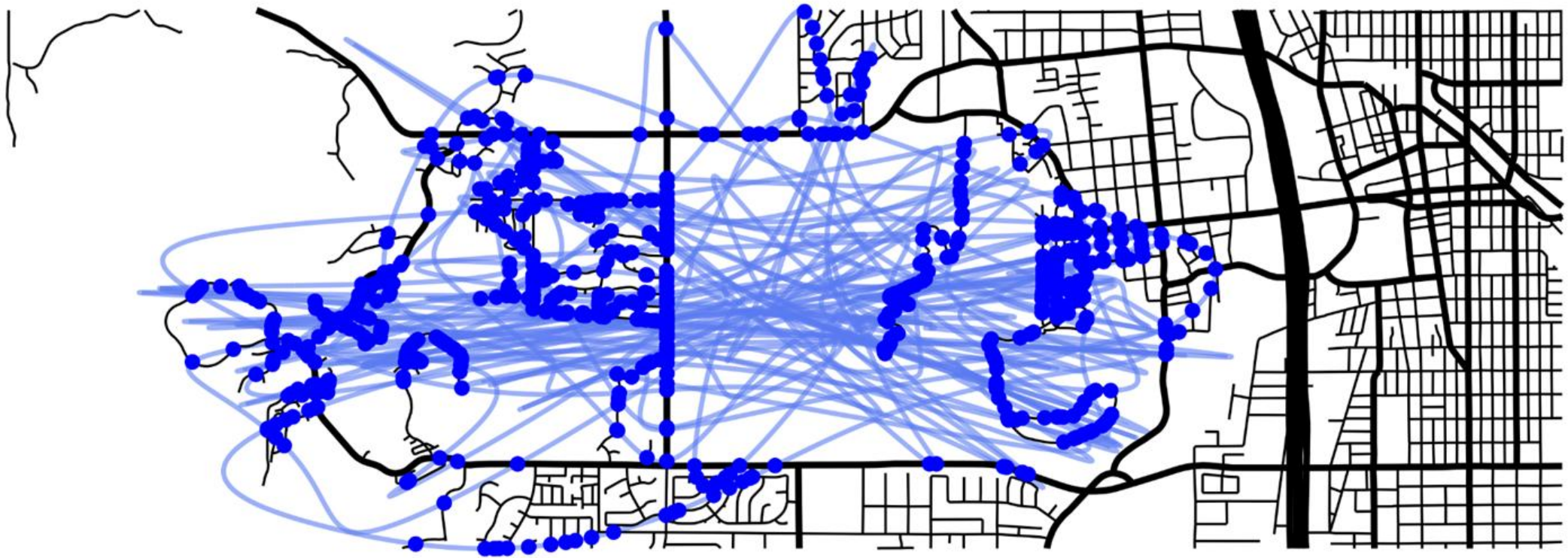
... and replace them with pass-throughs



GPS collars also have potential



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**We will identify best practices
for riparian revegetation**

HARSHAW RIPARIAN
EXCLOSURE
COMPLETED JULY 86



Initial results coming soon!





Acknowledgements

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Questions?



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