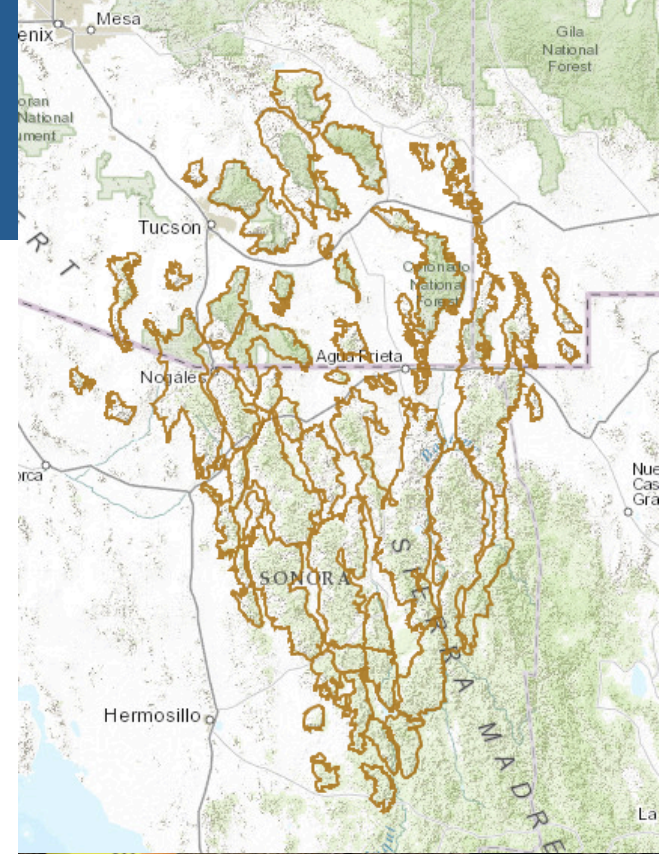


Wildlife Linkages Project

- Sky Islands home to 7,000+ species
- Wildlife connectivity key for migration (i.e. travel between habitats, move in response to disturbance events)
- **On-the-Ground Project Goal:** Maintain and improve wildlife connectivity
- **Pressures:** Habitat fragmentation (i.e. roads, border wall infrastructure), human population growth...and climate change



<p>1. How might climate change affect the likelihood of success of the project goals/objectives? What are the key climate impacts and vulnerabilities?</p>	<p>2. How might project actions address vulnerabilities? For each project action, identify which vulnerabilities or climate impacts it helps to avoid/minimize and how.</p>	<p>3. Reflect back on vulnerabilities associated with project goals/objectives. Identify additional actions that address remaining vulnerabilities that could be considered for implementation in future projects.</p>
<p><i>Climate:</i></p> <ul style="list-style-type: none"> • ↑ temps and precip creating a more subtropical climate • Community and range shifts – fauna and flora • Phenological shifts affecting breeding, migration • Drying effects (↓ snowpack, river flow, water availability) increasing pressure on species • Habitat fragmentation, loss, and degradation (development, recreational use, siting of energy facilities) • Changes in disturbance regimes (fire, drought) <p><i>Non-climate:</i></p> <ul style="list-style-type: none"> • Limited capacity for transborder engagement & knowledge sharing • Border wall – interrupts ecological processes and human and species connectivity 	<p>Project Action 1: Identify and map existing corridors used by wildlife (e.g., wildlife tracking, camera trapping critters on public and private lands)</p> <p>Vulnerabilities Addressed:</p> <ul style="list-style-type: none"> • Community and range shifts - species presence/absence • Changes in disturbance regimes – movements correlated to disturbance events <p>Project Action 2: Citizen science monitoring training</p> <p>Vulnerabilities Addressed:</p> <ul style="list-style-type: none"> • Range and phenological shifts – noting changes that may drive wildlife movement • Habitat fragmentation – IDing location of new or unauthorized roads 	<p>Habitat fragmentation, loss, and degradation:</p> <ul style="list-style-type: none"> • Map high value areas (e.g., overlay climate layers with current corridor locations) & use those to inform communication and mgt • Outreach to private landowners to increase awareness, co-benefits, and incentives for participation in protecting corridors <p>Drying effects:**</p> <ul style="list-style-type: none"> • Education and outreach about role of riparian areas as climate refugia and wildlife corridors (e.g., location of important water sources) <p>Border wall – interrupts ecological processes and human and species connectivity</p> <ul style="list-style-type: none"> • Cat door! Feasibility likely low...