

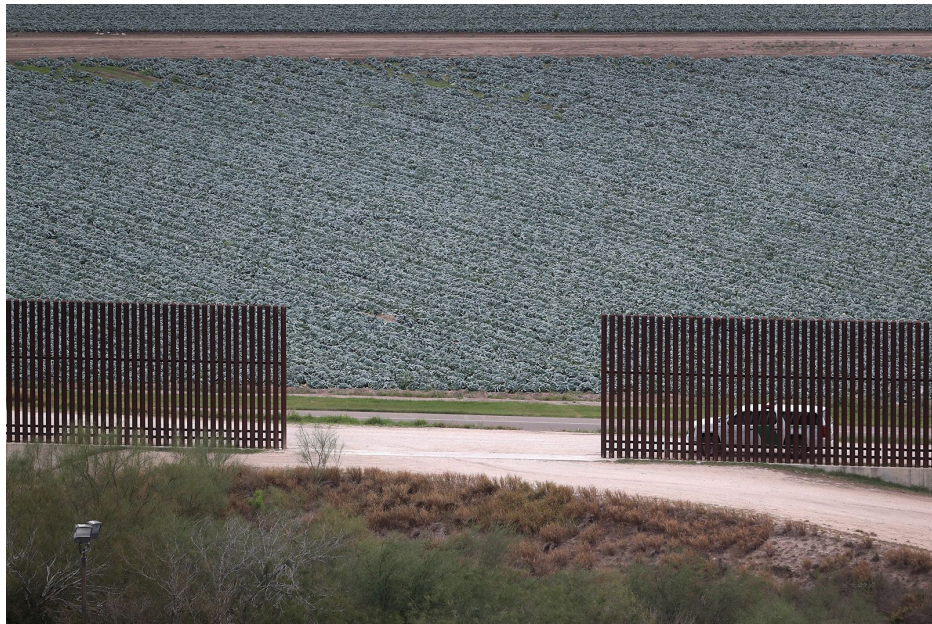
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# The US-Mexico Border Wall and its Impact on Biodiversity

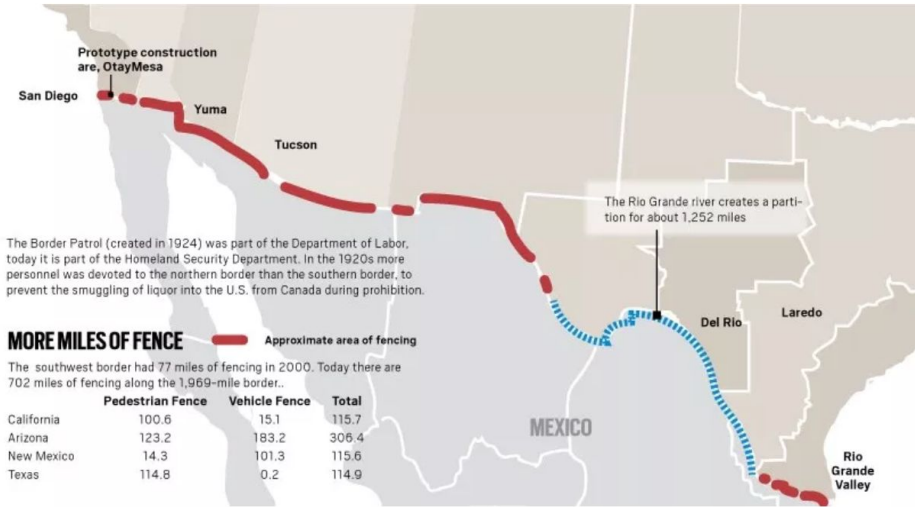


Suki Lee • 12 November 2019

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# Facts



## Length:

- 1,954 miles (3,145 km)

## The Wall:

- Includes San Diego, California and El Paso, Texas
- Divides the border town of Nogales between Arizona in the U.S. and Sonora in Mexico





## Risk 1: Systemic harms to wildlife

The US-Mexico Border Wall...

- disconnects one-third of the region's 346 native wildlife species from 50% or more of their habitat range lying on the south side
- isolates animal populations while limiting their ability to search for food, water, and mates
- prevents animals from escaping fires, floods, or heat waves
- Example wildlife at risk: the pygmy owl & the quino checkerspot butterfly (both ESA-listed endangered species)



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## Risk 2: Wider threats to diverse landscapes

- The harm to wildlife has a corresponding negative impact on wider ecosystems and landscapes
- The Wall disrupts annual or seasonal migration and dispersal routes for both plants and animals
- Example species especially affected: Peninsular bighorn sheep & Mexican gray wolf



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## Risk 3: Direct disruptions to wildlife

Any large-scale development (e.g., operating roads and lights):

- eliminates or degrades natural vegetation
- kills animals directly through machine accident and destruction
- erodes soils
- alters hydrological processes, leading to increased flooding



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## NEWS: Exacerbated flooding



In 2008, a five-mile-long segment of a fifteen-foot-high wire fence trapped debris flowing through a natural wash during a ninety-minute summer thunderstorm at the Organ Pipe Cactus National Monument in southwest Arizona.

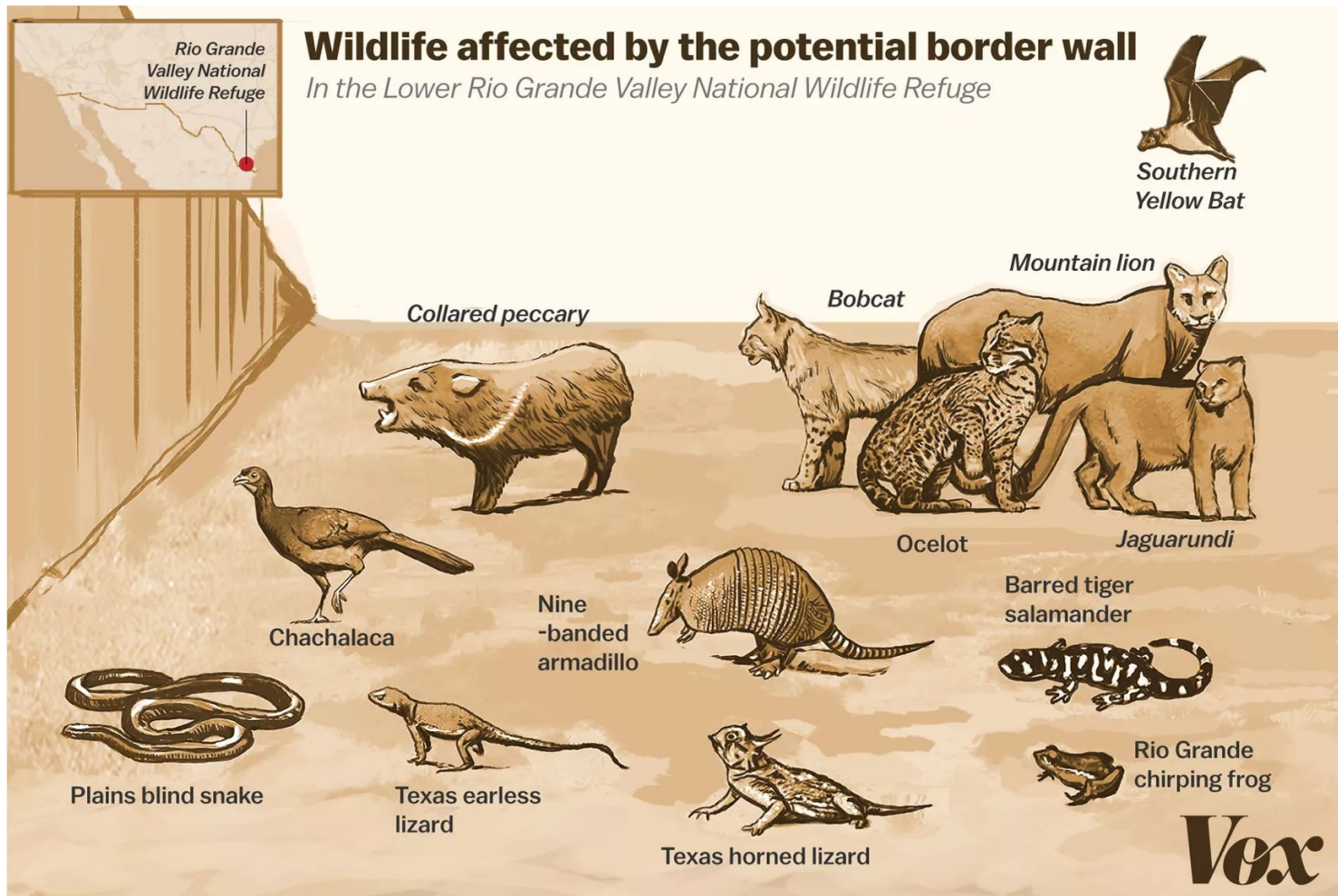
The fence caused water to pool 2-7 feet high, posing an immediate threat to public health and causing longer term damage to environmental systems.

In 2011, another deluge at Organ Pipe knocked over a segment of the fence.

Then in 2014, the twin cities of Nogales, Mexico, flooded after border barriers clogged with debris during a rainstorm.









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## Risk 4: Reduced conservation investment and scientific research

- 18% of the borderlands contain protected lands
- Numerous binational collaborations have targeted specific species
- Example: The *Sonoran pronghorn*



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## Risk 4: Reduced conservation investment and scientific research (contd)

- US and Mexican scientists have shared stories of being intimidated, harassed, and delayed by border security officers
- Binational meetings and other collaborative activities become inconvenient and constrained by the hours required to pass border security checkpoint



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**What can we DO?**

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## Call for Action

1. Educate yourself
  2. Teach others
  3. Sign this petition and share the link to express your concern about the negative impacts of the US-Mexico Border Wall on biodiversity and binational conservation:  
*[defenders-cci.org/sign-on/border-wall](https://defenders-cci.org/sign-on/border-wall)*
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# Learn More:

- [http://www.nbcnews.com/id/26396487/ns/us\\_news-environment/t/border-blunder-security-fence-causes-flooding/](http://www.nbcnews.com/id/26396487/ns/us_news-environment/t/border-blunder-security-fence-causes-flooding/)
- <https://www.vox.com/energy-and-environment/2017/4/10/14471304/trump-border-wall-animals>
- <https://www.voanews.com/usa/more-border-wall-work-begins-arizona-new-mexico>
- <https://academic.oup.com/bioscience/article/68/10/740/5057517>
- <https://earth.stanford.edu/news/how-would-border-wall-affect-wildlife#gs.f855o6>
- <https://www.nationalgeographic.com/environment/2019/01/how-trump-us-mexico-border-wall-could-impact-environment-wildlife-water>