

Figures:

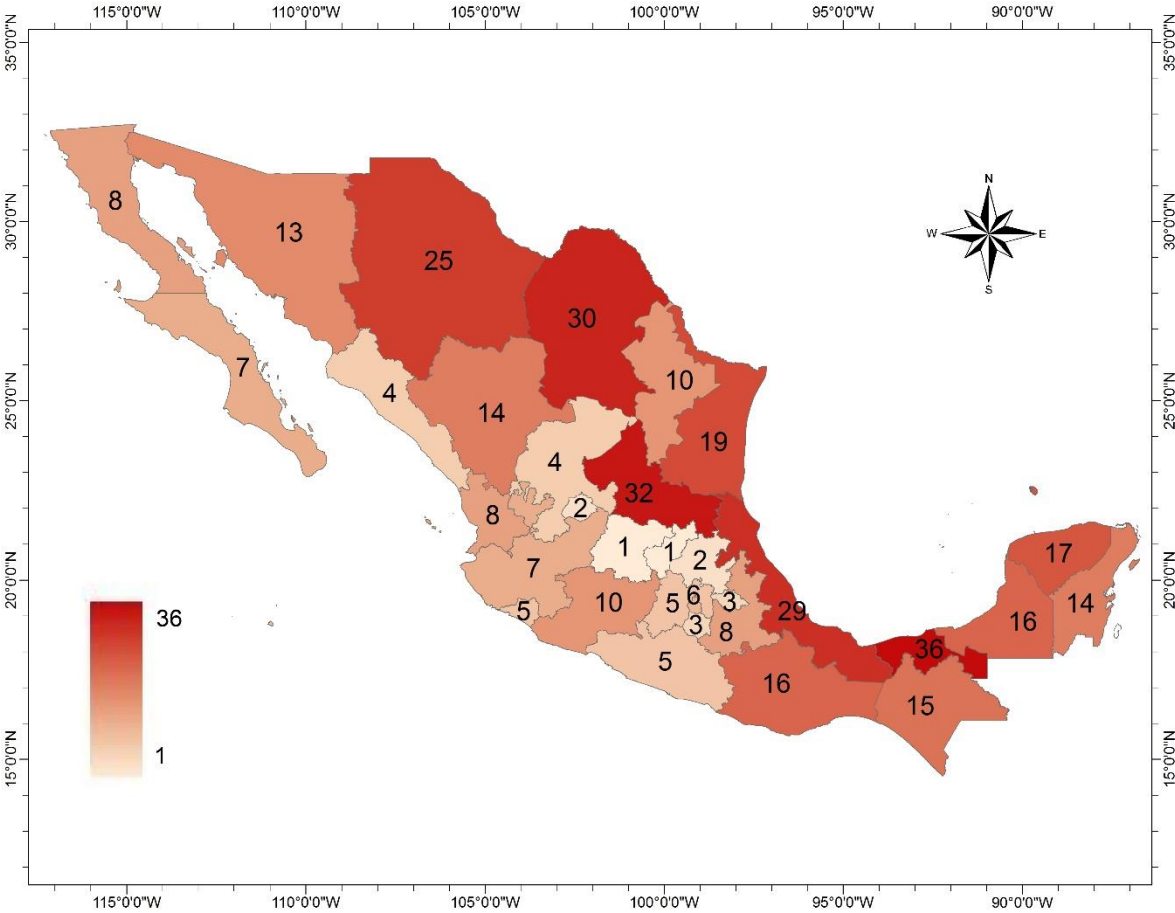


Figure 1. Map of Mexico with number of native species of freshwater gastropods by state.

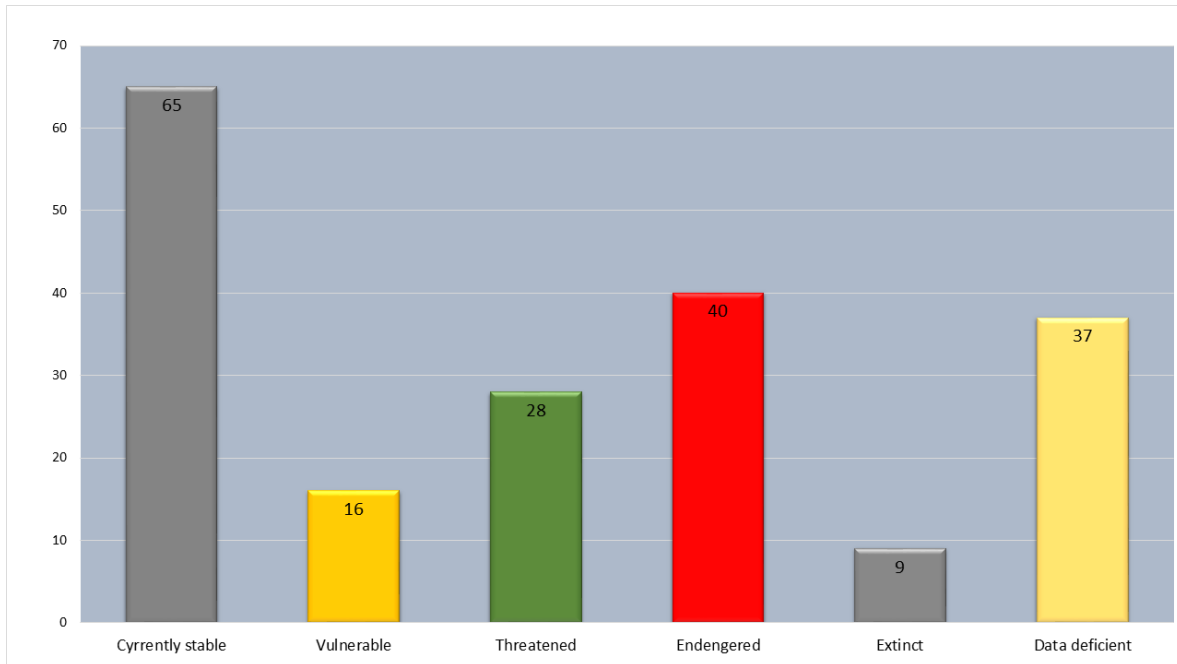


Figure 2. Conservation statuses for Mexican freshwater gastropods based the NatureServe conservation rank system by Master et al. 2012.

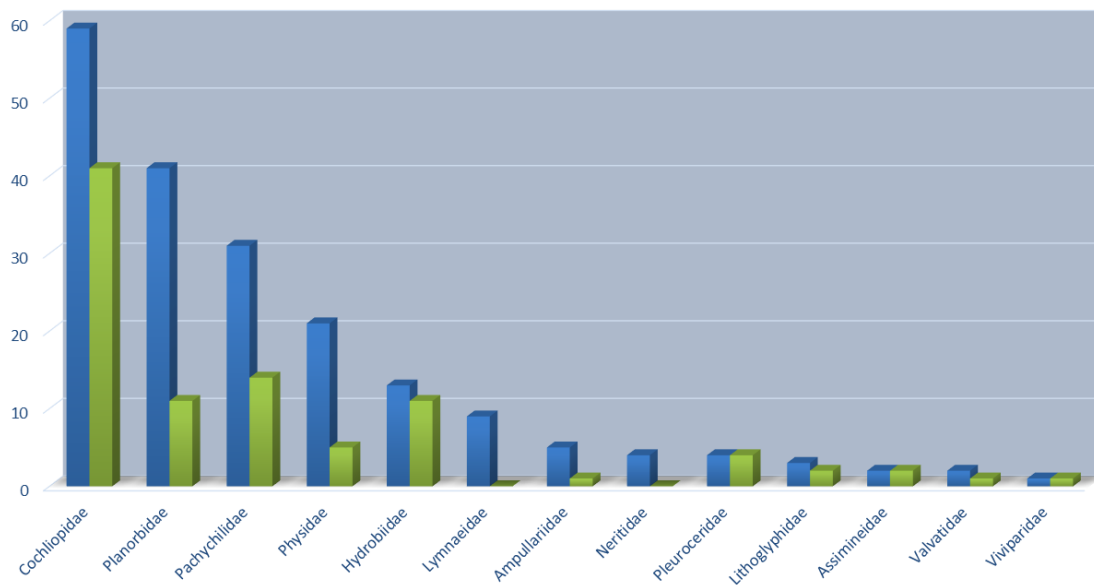


Figure 3. The number of critically imperiled, imperiled and vulnerable species (green) relative to the total number of species (blue) of freshwater gastropod families in Mexico.

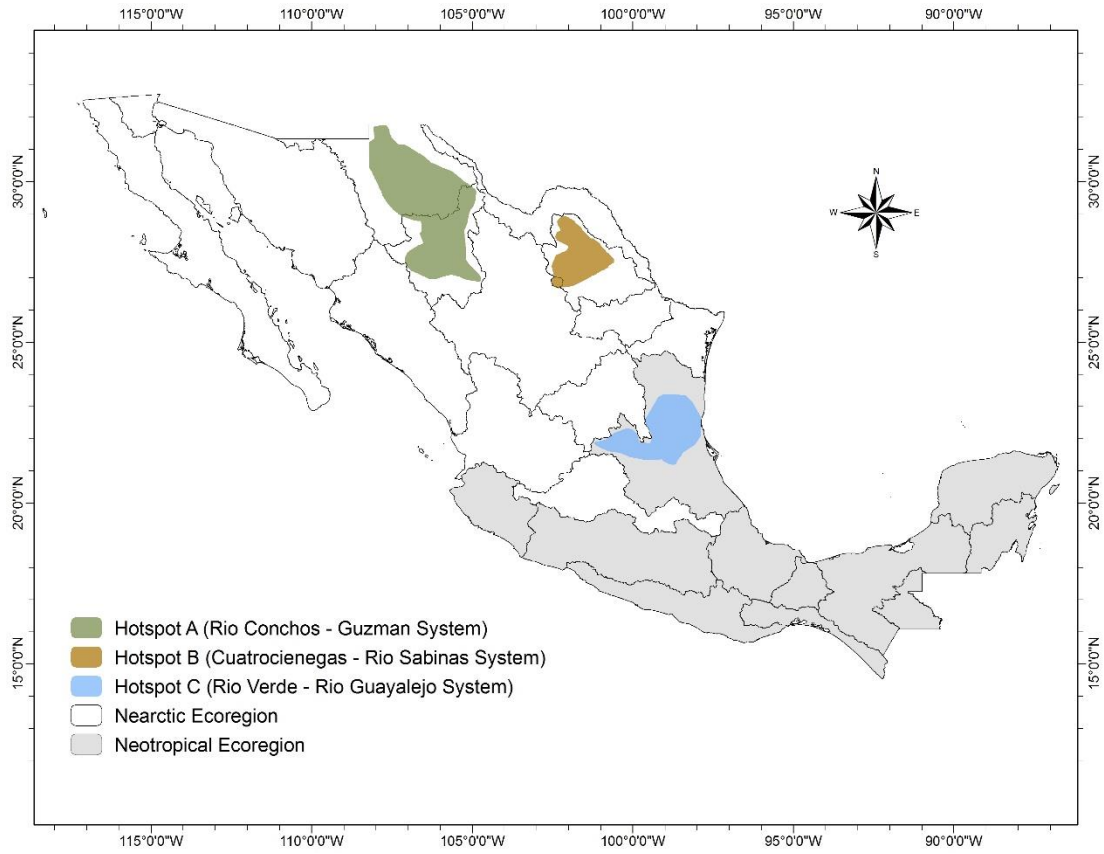


Figure 4. Freshwater Ecoregions with hotspots of Mexican freshwater gastropod endemism.

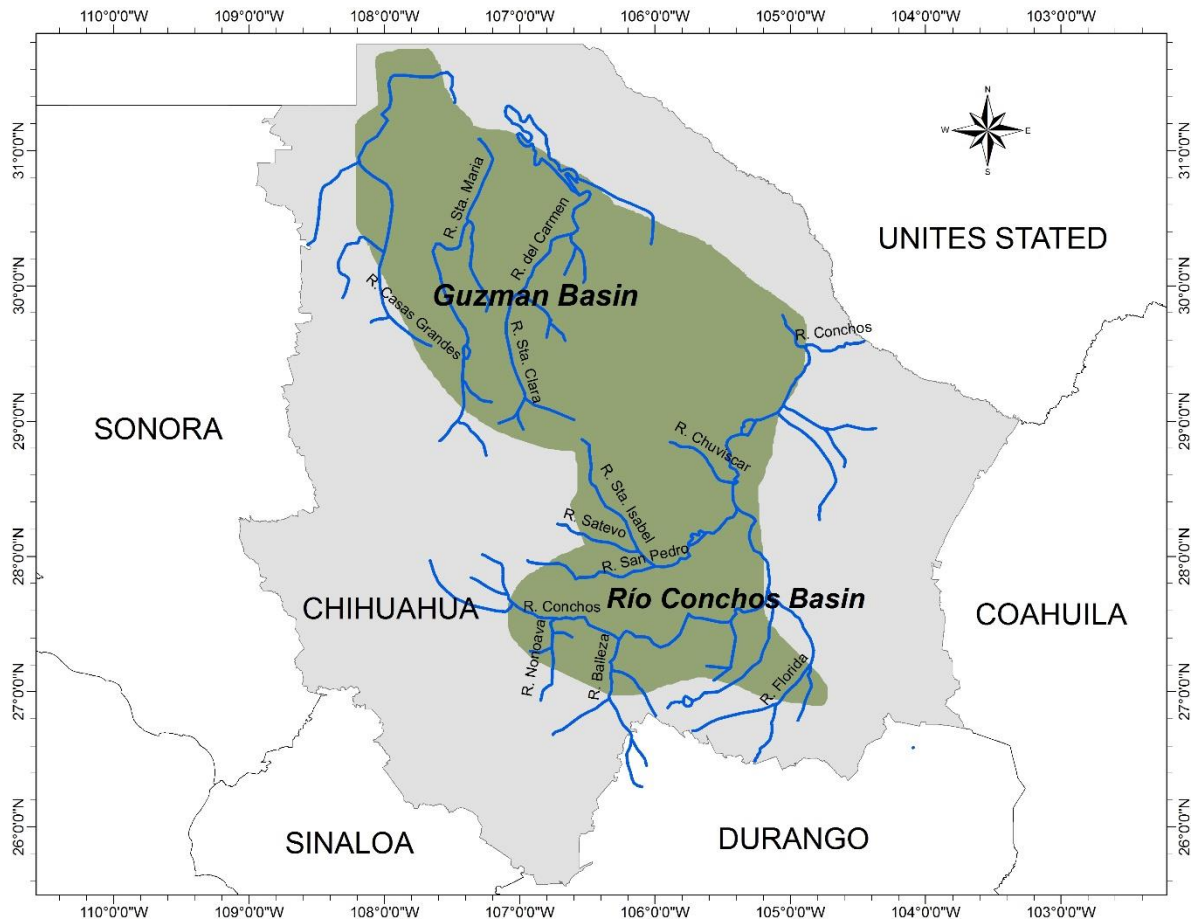


Figure 5. Endemicity Hotspot A: Río Conchos-Guzman Basin System, Chihuahua.



Figure 6. Poza Becerra in Cuatro Ciénegas, Coahuila, Mexico. An endangered oasis with freshwater stromatolithes and endemic gastropods in the Chihuahuan Desert (Photograph: J. L. Estrada-Rodríguez, May, 2017).



Figure 7. Endemicity Hotspot B: Cuatro Ciénegas-Rio Sabinas System, Coahuila.

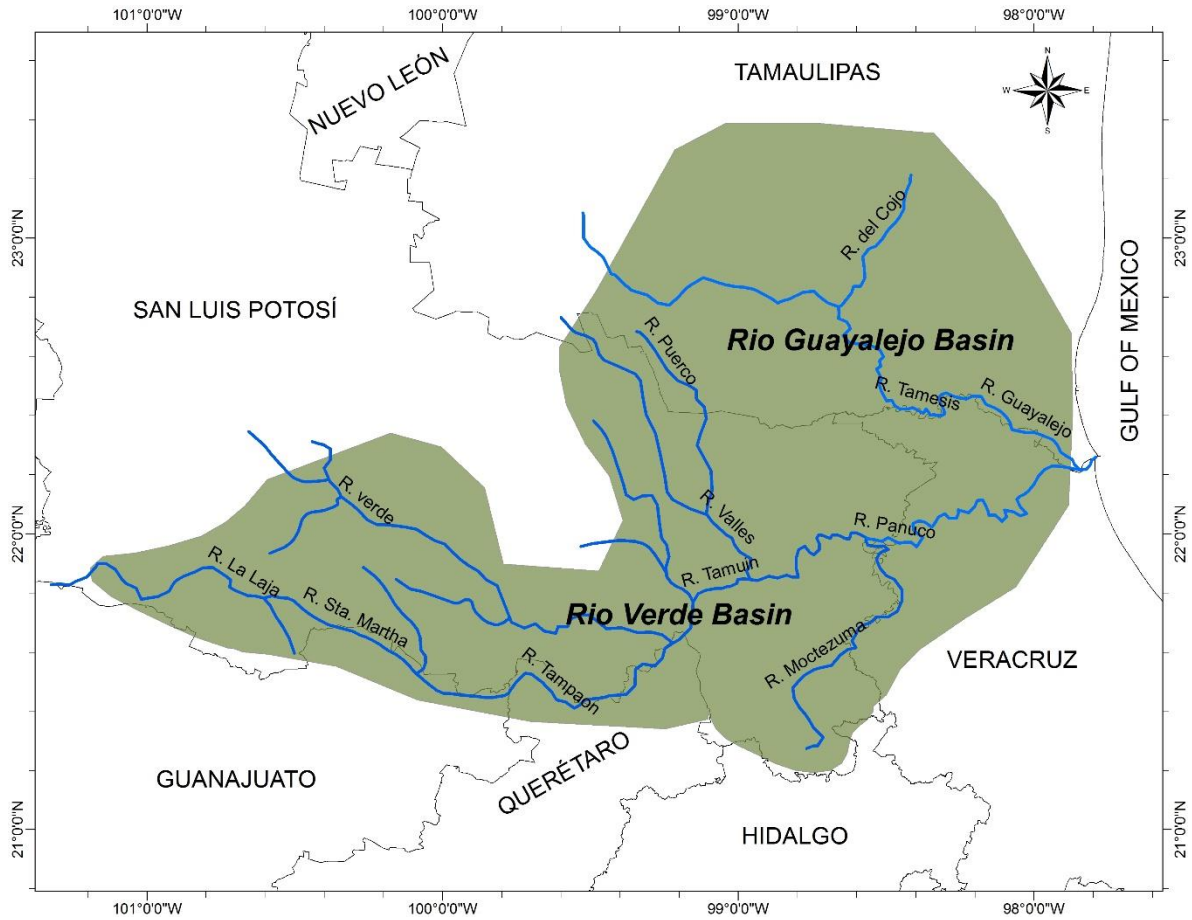


Figure 8. Endemicity Hotspot C: Río Verde - Río Guayalejo System, San Luis Potosí, Tamaulipas and Veracruz.

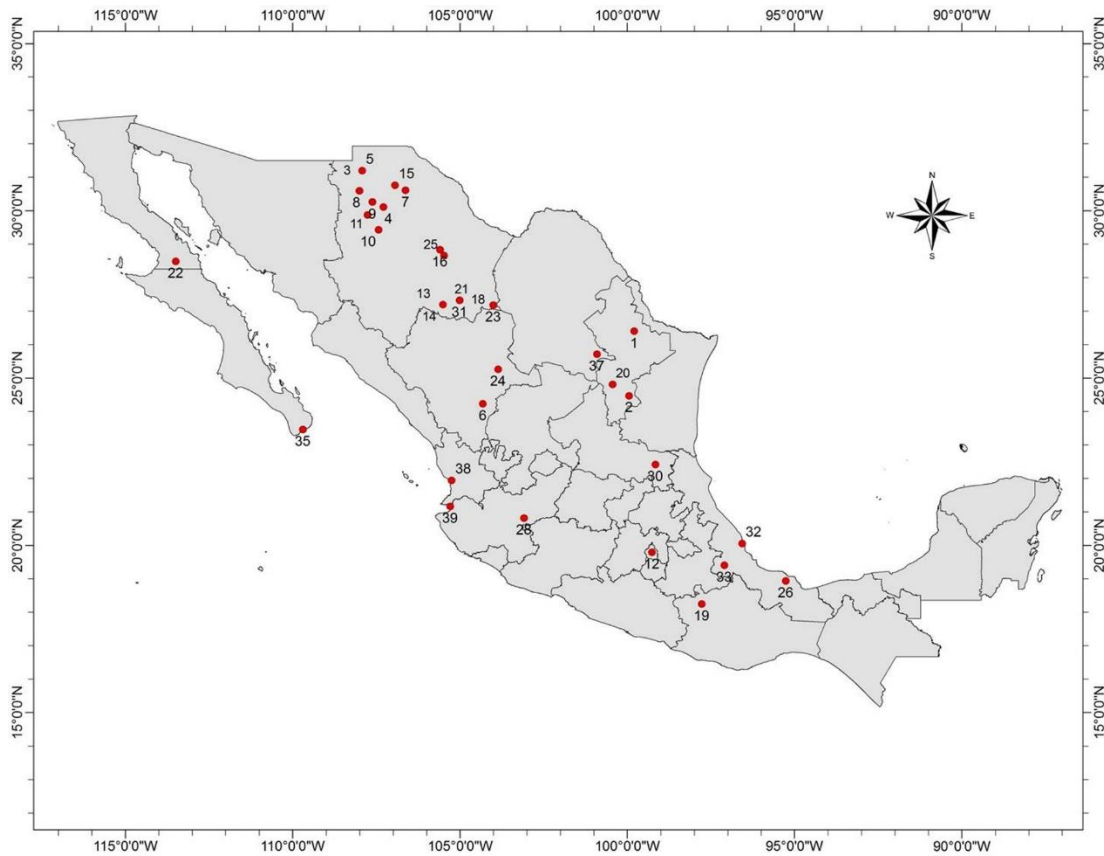


Figure 9. Mexican single site endemics freshwater gastropods.

1. *Viviparus inornatus*, 2. *Valvata beltrami*, 3. *Tryonia zaragozae*, 4. *Tryonia taylora*, 5. *Tryonia shikueii*, 6. *Tryonia seemani*, 7. *Tryonia santarosae*, 8. *Tryonia peregrine*, 9. *Tryonia ovata*, 10. *Tryonia molinae*, 11. *Tryonia minckleyi*, 12. *Tryonia mariae*, 13. *Tryonia julimesensis*, 14. *Tryonia hertleini*, 15. *Tryonia contrerasi*, 16. *Tryonia chuviscarae*, 17. *Tryonia angosturae*, 18. *Tryonia allendae*, 19. *Tepalcatia polia*, 20. *Pyrgulopsis patzcuarensis*, 21. *Pyrgulopsis palomasensis*, 22. *Pyrgulopsis cedrosensis*, 23. *Pyrgulopsis brandi*, 24. *Pseudotryonia pasajae*, 25. *Pseudotryonia mica*, 26. *Pomacea patula*, 27. *Planorbella contrerasi*, 28. *Physella solidissima*, 29. *Physella patzcuarensis*, 30. *Pachychilus apheles*, 31. *Minkleyella balnearis*, 32. *Mayabina bullula*, 33. *Laevapex sallei*, 34. *Ferrissia occidentalis*, 35. *Ferrissia bayacalifornica*, 36.

Eremopyrgus elegans, 37. *Chorrobrius crassilabrum*, 38. *Austrinauta elatus*, 39.
Amecanauta jaliscoensis.

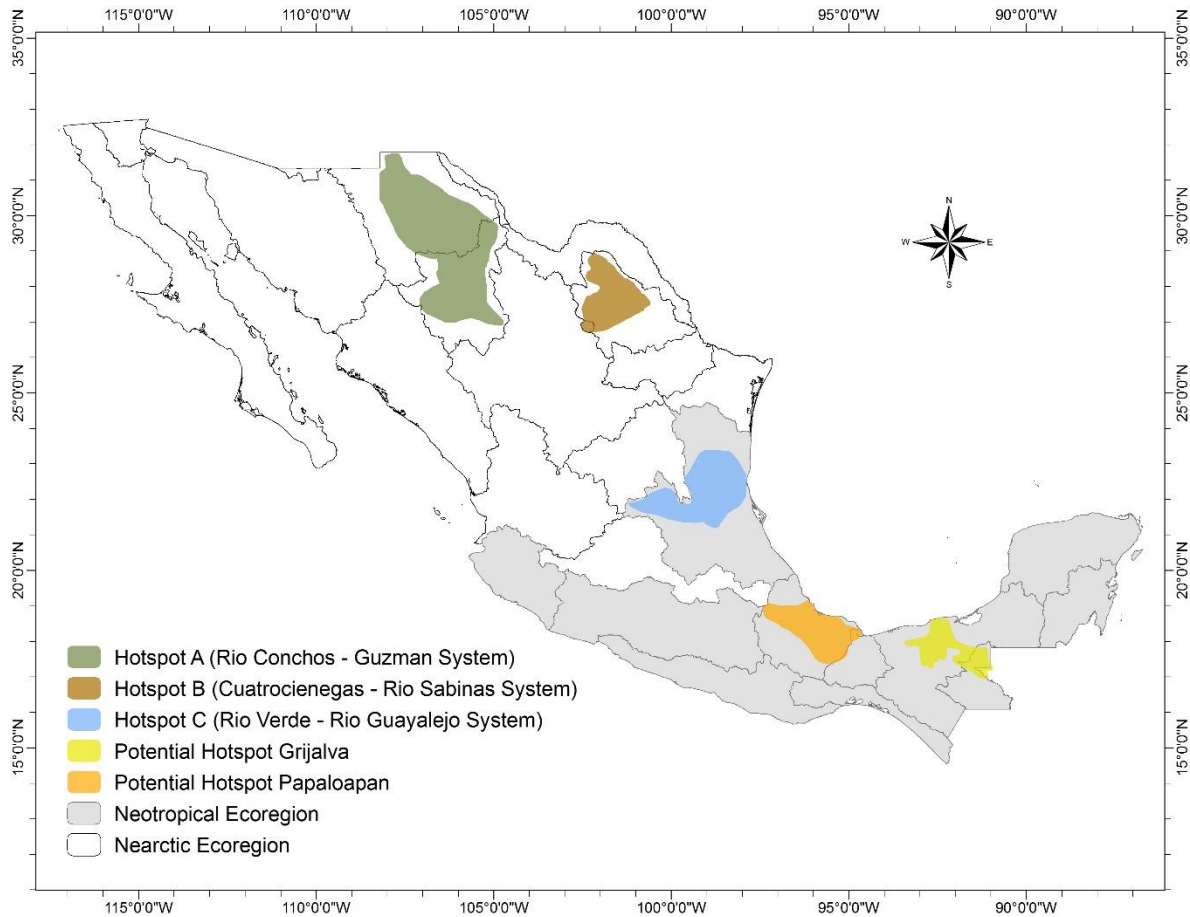


Figure 10. Hotspots A, B, C and two potential hotspots of Mexican freshwater gastropods.

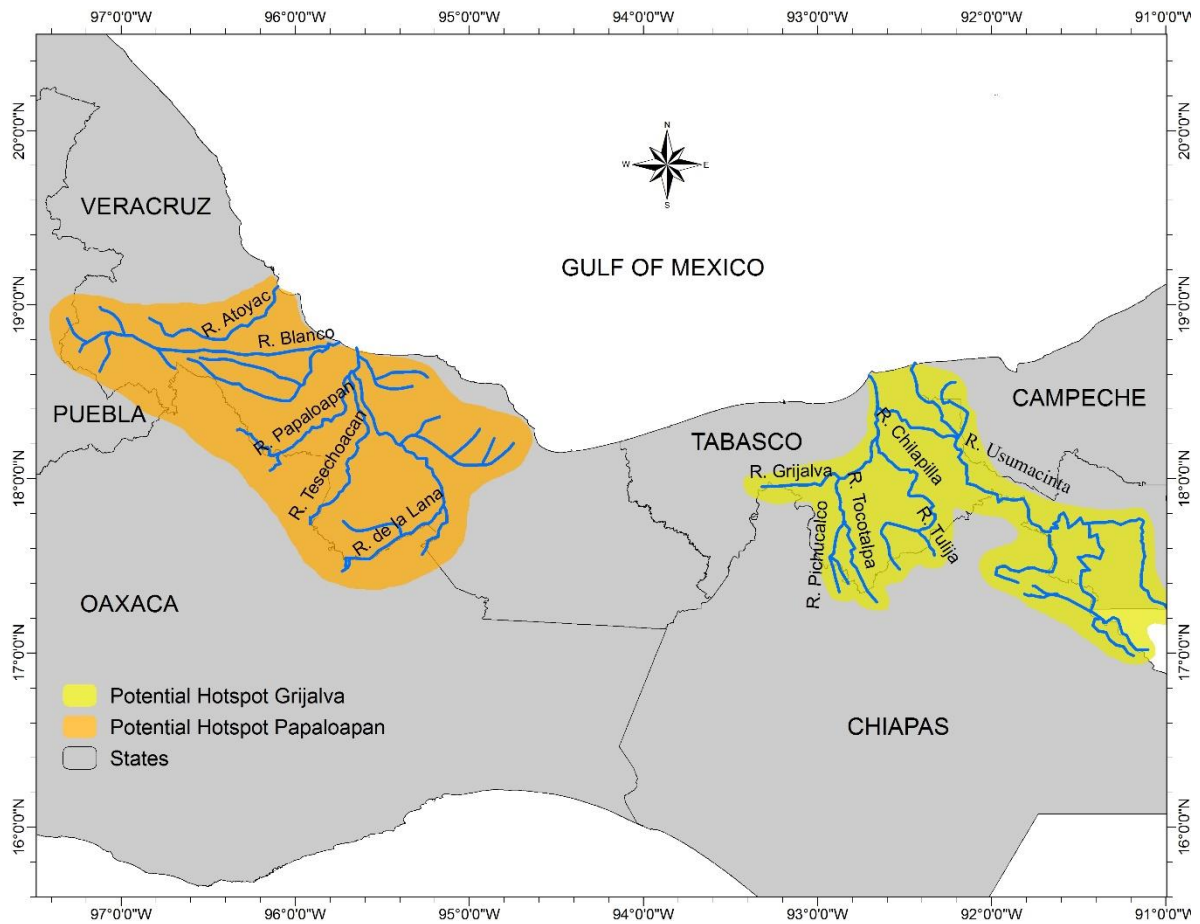


Figure 11. Potential hotspots Grijalva and Papaloapan of Mexican freshwater gastropods.



Figure 12. River regulation (canalization) of the Nazas River with urban pollution, near the city of Torreón, Coahuila, Mexico (Photograph: J. L. Estrada-Rodríguez, May, 2017).



Figure 13. Habitat loss as a consequence of dam construction on the Nazas River, Torreón, Coahuila, Mexico (Photograph: J. L. Estrada-Rodríguez, May, 2017).



Figure 14. Churince spring, type locality of *Mexipyrgus carranzae* Taylor, 1966 (Cochliopidae). Cuatro Ciénegas valley, Coahuila, Mexico (Photograph: J.L. Estrada-Rodríguez, May 2018)