



Figure 4. Conceptual model of *Pennisetum ciliare* traits and adaptations that result in altered water availability (blue), nutrient cycling (green), and disturbance regimes (orange), enabling it to outcompete native species. Opportunities for intervention and restoration are directly tied to the ways in which *P. ciliare* creates self-reinforcing feedback loops and inhibits the establishment and survival of native species. The information presented in this conceptual model is based on a literature review of how *P. ciliare* impacts its environment. A table of sources used to generate the material presented in this conceptual model can be found in Supplementary Table S4.