

Figure caption:

(a) The transformation of sagebrush-steppe to invasive annual grasslands. (b) From a biome-wide pool of survey sites, we used matching to retain pairs of sites that differed in invasion status but were otherwise similar (blue squares) and discard sites without such matches (black points). Using occupancy models that simultaneously considered 40 species, we estimated each species' (c) site-level occurrence and (d) prevalence where present (an index of abundance). (e) Occurrence and prevalence were combined to estimate guild-level diversity. Image credits: (a) Adam Mahood, (e) Phylopic (CC BY 3.0).

