

The exposed bare ground provides an opportunity for the establishment of both native and invasive plants. Native plants could reestablish on their own through the seeding of the individual present. However, the highest portion of the roof will struggle to recover on its own as they experience the highest percentage of invasive cover. We suggest that Friends of the Dunes supplement the native recovery with plantings of native seedlings. The replanting efforts will cover the freshly exposed bare ground, reducing the opportunity for invaders to proliferate.

The removal of the aboveground vegetation of the invasive species was successful, however, some below ground root systems remain. It's especially prevalent in patches intermingled with native and invasive species and in dense grass invaded areas. The remaining root systems pose a threat of resprouting in subsequent years. Some species pose a greater threat than others, such as *Rumex acetosella* which propagates through rhizomes.

Future manual hand removal treatments of the garden is imperative to ensure lasting success of the restoration efforts. Manual removal of invasive *Ammophila arenaria* on the Lanphere Dunes within Humboldt Bay National Wildlife Refuge resulted in plant cover and species richness closest to reference dune conditions compared to herbicide treatment and mechanical removal (Pickart et al., 2021). The initial removal effort was supplemented with subsequent removal of re-sprouted *A. arenaria* individuals with complete mortality taking over 2 years. Though the invaders in question are different in the native garden and the dune systems, the sensitivity of the dune system to removal methods remains the same. Unfortunately, manual removal commitment can be very expensive, with the Lanphere Dunes costing \$72,000/ha of *A. arenaria* removed (Pickart et al., 2021). Given that Friends of the Dunes are a grant funded non-profit organization, we suggest gathering a group of dedicated volunteers to carry on the removal of the invasives. (TALK ABOUT THE GUY who wants to take over the garden)

1. What worked? What didn't? (Nicoli)
2. Emphasize how important it is to continue and maintain restoration efforts to keep invasive grass species from growing back (nicoli)

[Comparing Restoration Treatments and Time Intervals to Determine the Success of Invasive Species Removal at Three Coastal Dune Sites in Northern California, U.S.A. on JSTOR](#)

NO POSTER ATTACHED

**COLLEGE CORPS FELLOW**

Will be submitting through College Corps itself to Marcom directly (approved by Judy)