Wild Pig Management at the Jack and Laura Dangermond Preserve Peter Omasta | Shuhan Song | Benson Truong | AJ Zekanoski

Background

California over the past twenty years has set alarm bells ringing for land managers. Sus scrofa are a wildly successful invasive mammal whose roto-tilling foraging behavior has led to their being called America's most destructive species. Wild pigs are opportunistic generalists who can survive off nearly any food source and cause an estimated \$1.5 billion in damages each year in the U.S.



Problem: Important ecological resources at the Jack and Laura Dangermond Preserve are being damaged by wild pigs.



In order to safeguard the natural resources of the Jack and Laura deemed necessary. To guide this plan, our team sought to answer two important questions:

- What is the population abundance of wild pigs at the preserve? 2. How can TNC most efficiently use their resources to protect their
- ecological assets from wild pig damages?







Results/Conclusions

• The density of wild pigs across the Preserve is about **2 pigs/km² (~200 total)** • Wild pigs at the Preserve tend to be clustered towards the southern coast

> Feral Pig Abundance 0 to 10 10 to 20



• Protecting large continuous zones with exclusion fencing is the most cost effective

• Pig removal costs scale with density and must be around 70% annually to prevent

• Total eradication is a costly measure with a host of unfavorable environmental

Management Recommendations

2. Increase monitoring capacity with installation of ~30 camera network



3. Collaborate with neighboring stakeholders and refine management through information sharing



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