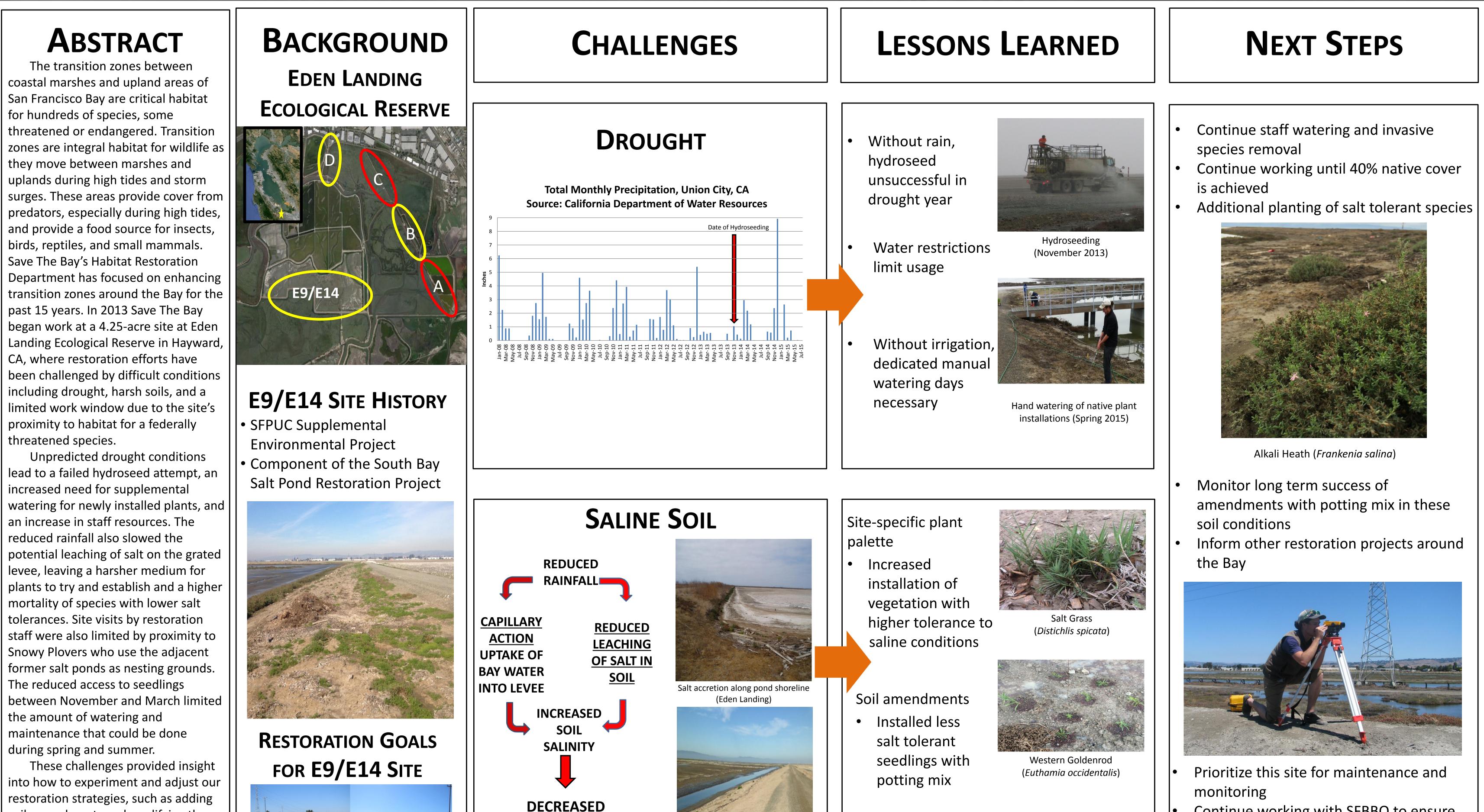


NO RAIN MUCH PAIN:

CHALLENGES AND LESSONS LEARNED IN TRANSITION ZONE RESTORATION DURING A DROUGHT Jon Backus*, Jack States, Bryan Derr, Nissa Kreidler, Donna Ball Save The Bay



soil amendments and modifying the plant palette, to increase plant survivorship. These lessons learned can be applied to existing and future transition zone restoration designs.



The law is the second second

- Continue working with SFBBO to ensure

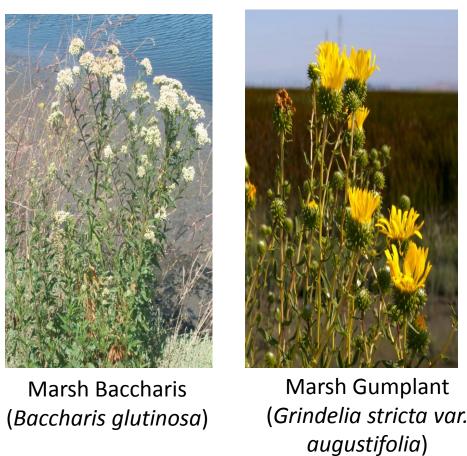
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STB Site Eden D, STB Site Eden D, 2013 2008 Create habitat Reduce invasive species cover Create 40% cover of native vegetation Install transition zone specific flora



SNOWY PLOVERS

Federally threatened species

SURVIVORSHIP

- Nesting season (March-September) coincides during driest season for plants
- Nesting activity in ponds restricts access



Barren transition zone (Eden Landing)

2015 Snowy Plover nesting sites at Eden Landing

Staff workdays critical before nesting season



Staff and volunteer workday (Winter 2013)

(Winter 2015)



CONCLUSION

Over the two years that Save The Bay has been implementing transition zone restoration at Eden E, severe drought has presented unforeseen challenges in the restoration process, exacerbated by difficulties associated with an already ecologically challenging site. This has forced staff to refine techniques currently used and test new ideas to restore transition zone habitat along salt pond levees.

Though this has proven frustrating at times, small successes have been achieved, and restoration work will continue at the site until completion. Additionally, determining best practices during extreme weather provides insight to future restoration work in the face of global climate change and accompanied unpredictable weather patterns.