Habitat Restoration at Hidden Valley Wildlife Area Following Long-term Arundo Management (Riverside, California)

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Presenter:

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Project Partners and Roles



Riverside County Regional Park and Open District (Riv Co Parks)

Land manager, Project lead



HANA Resources (HANA)

Project development, funding, and implementation



San Bernardino Valley
Municipal District (SBVMD)

Technical expertise and support



Santa Ana Watershed Association (SAWA)

Avian surveys and invasive plant management services



Wildlife Conservation Board (WCB)

Funding and project development



Overview of Hidden Valley Wildlife Area Restoration Project

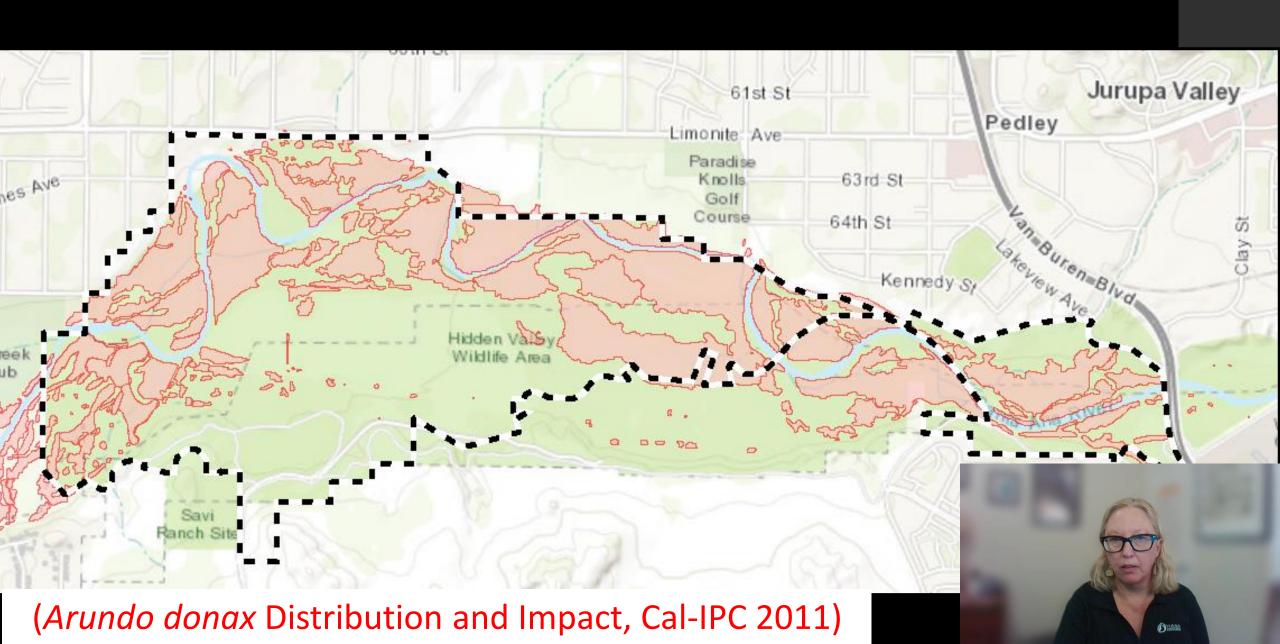
Project goals:

- Restore 608-acres of native riparian and upland habitat
- Remove remaining Arundo stands and continue to treat resprouts and new infestations
- Remove high-priority invasive plants (castorbean, saltcedar, tree tobacco, poison hemlock, perennial pepperweed)
- Increase habitat connectivity along the Santa Ana River for wildlife including least Bell's vireo (Vireo bellii pusillus)
- Wildfire fuel reduction and creation of fuelbreaks

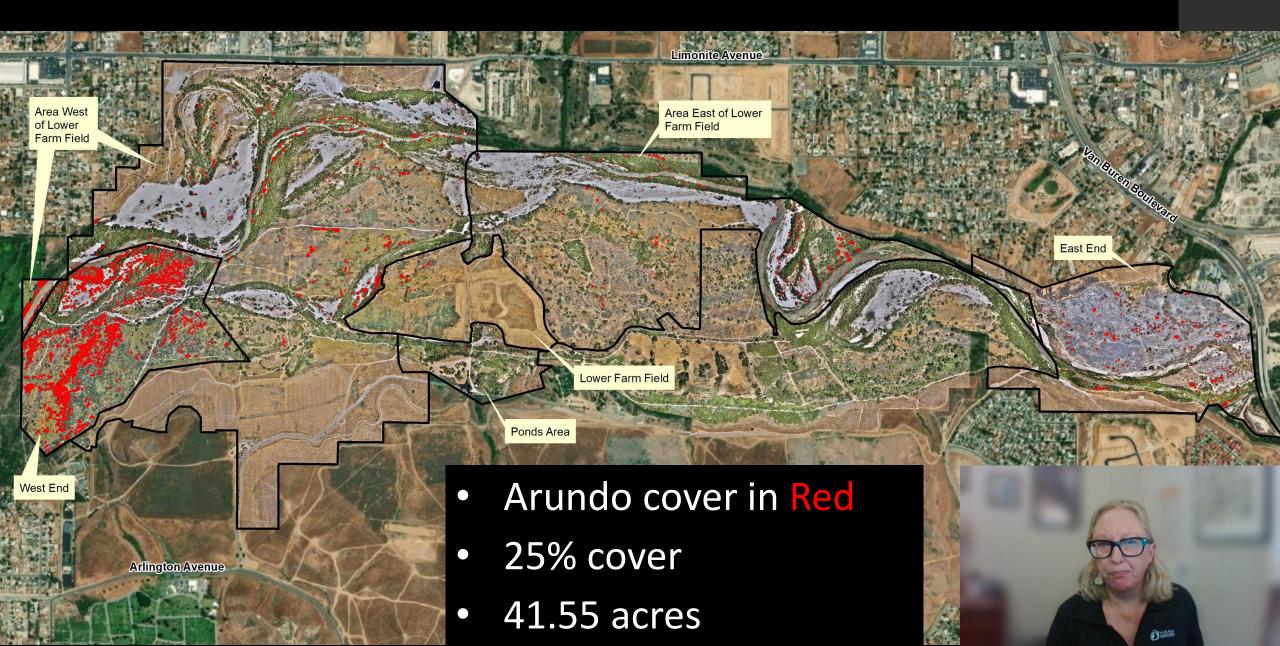


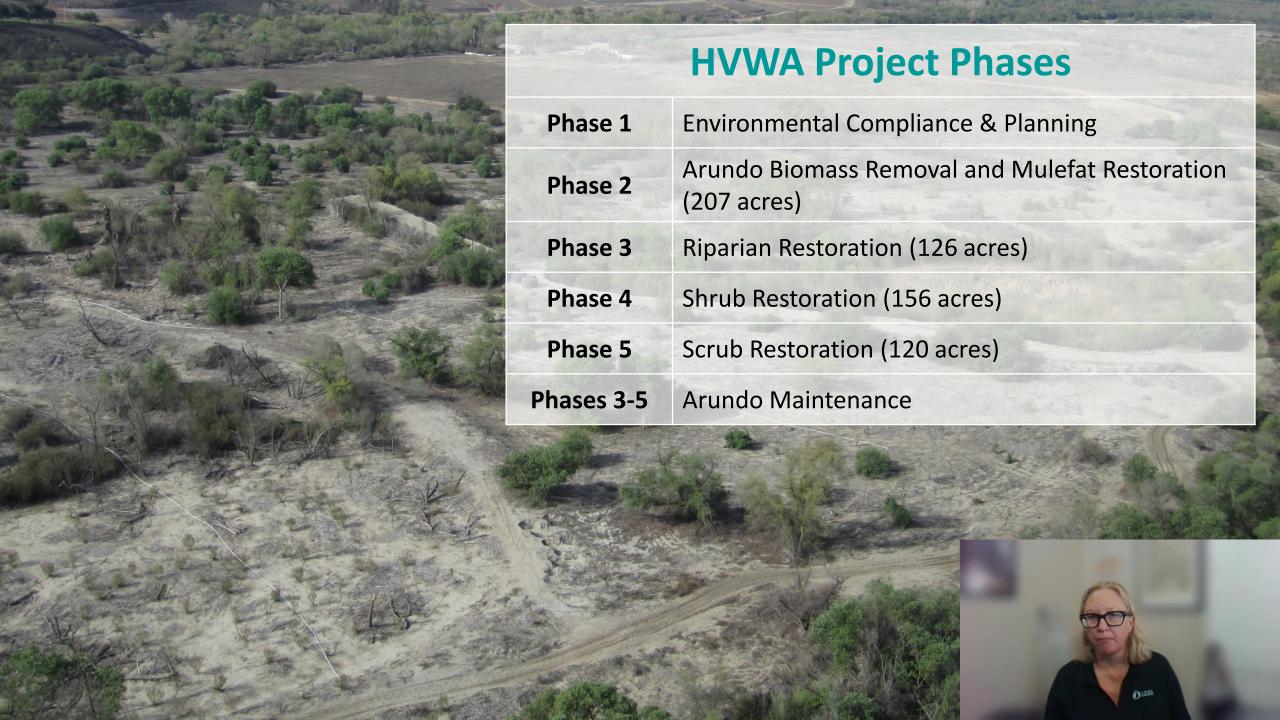


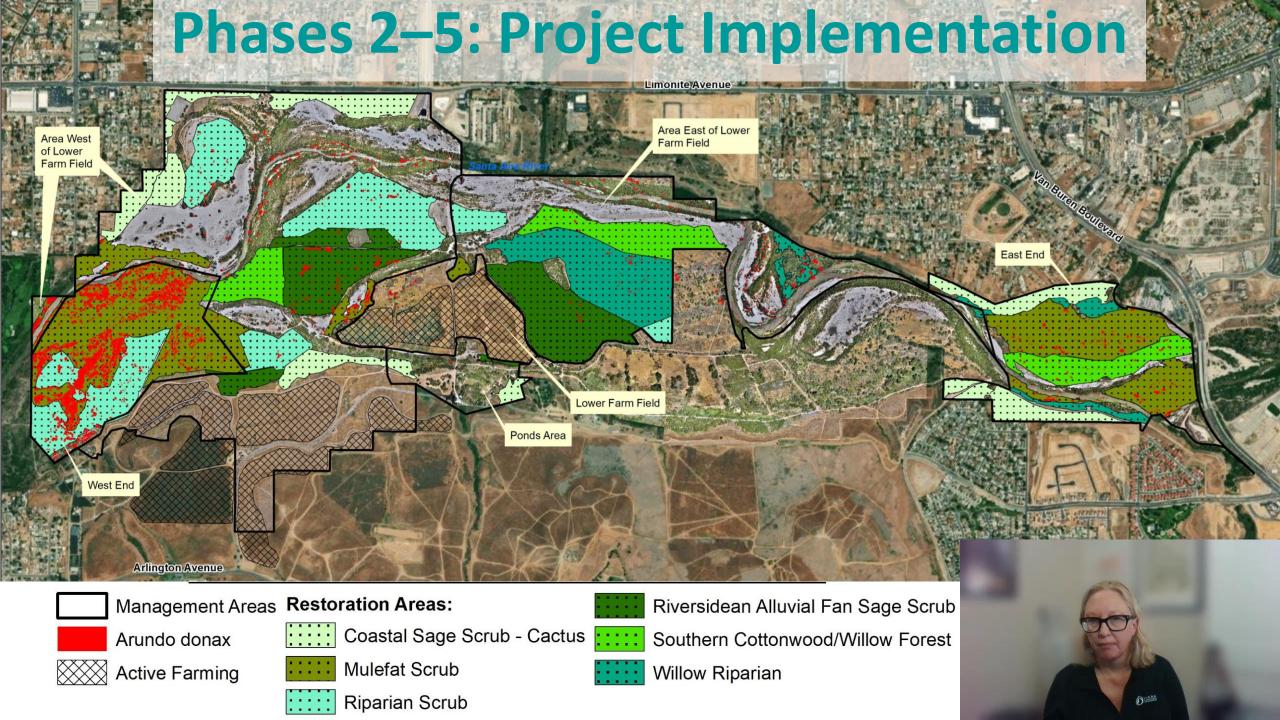
Arundo extent in 2011



Arundo extent in 2020







Conclusions

- Large areas where Arundo was removed are not recovering and remain devoid of vegetation
- Disturbance in these areas will facilitate re-invasion of Arundo or other invasive plants
- Riparian and upland habitat restoration and enhancement is needed at HVWA and other sites on the SAR
 - Active restoration is required to reestablish native vegetation in "Arundo scars"
 - Passive restoration (enhancement) is appropriate in areas where smaller, less dense stands of Arundo were removed



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