Saving a species, saving ourselves

The importance of community- & relationship-building in species restoration

Kristin M. Aquilino
University of California, Davis
What brings us here?
What brings us here?

culture • food • fishing • aquaculture • healthy ecosystems
White abalone

*Haliotis sorenseni*
Decline of white abalone

Total commercial landings: >280 metric tons

Total remaining: <2 metric tons

99% loss in a decade
Withering Syndrome

(Candidatus Xenohaliotis californiensis, CaXc)
Number of year-old white abalone produced

Spring Spawning Year

How do we save white abalone?

- Reproductive conditioning
- Post-settlement survival
- Genetic integrity
- Climate resiliency
How do we save white abalone?

<table>
<thead>
<tr>
<th>Reproductive conditioning</th>
<th>Post-settlement survival</th>
<th>Genetic integrity</th>
<th>Climate resiliency</th>
</tr>
</thead>
</table>

Alyssa Frederick • Melissa Neuman • Dan Swezey
How do we save white abalone?

- Reproductive conditioning
- Post-settlement survival
- Genetic integrity
- Climate resiliency

Community Relationships

Alyssa Frederick • Melissa Neuman • Dan Swezey
How do we save white abalone?
How do we save white abalone?
How do we save white abalone?
How do we save white abalone?
How do we save white abalone?
Identity

identity definition • /ɪ'dɛntɪti/
the fact of being who or what a person or thing is.
Play

Definition: /pleɪ/

Engage in activity for enjoyment and recreation rather than a serious or practical purpose.
You sweep me off of my foot.

#SaveWhiteAbalone
play definition • /pleɪ/
engage in activity for enjoyment and recreation rather than a serious or practical purpose.
You sweep me off of my foot.

#SaveWhiteAbalone

play definition • /pleɪ/ engage in activity for enjoyment and recreation rather than a serious or practical purpose.
art definition · Art
the expression or application of human creative skill and imagination, typically in a visual form such as painting or sculpture, producing works to be appreciated primarily for their beauty or emotional power.
Ceremony

ceremony definition - /səˈrɪməni/
a formal religious or public occasion, especially one celebrating a particular event, achievement, or anniversary.
“Like the abalone, we are also fighting extinction. We understand the loneliness of the comeback. But there is also strength in that comeback.”

L. Frank
Tongva and Ajachmem
How do we save white abalone?

Identity  Play  Art  Ceremony

Community  Relationships