

#### Teamwork Makes the Dream Work in *Caulerpa* Eradication Efforts

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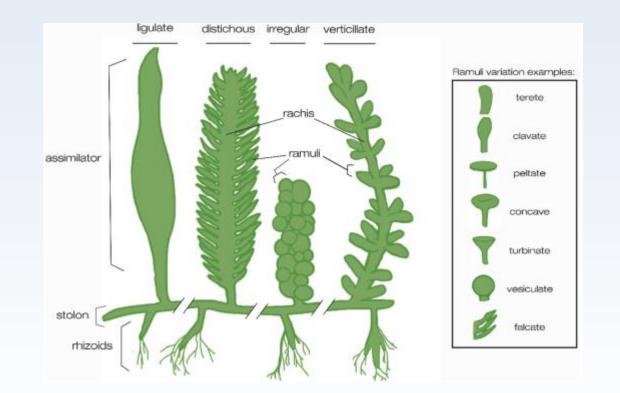
2024 Symposium

Presented by: **Cyndi Dawson** 

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# Caulerpa spp. Biology

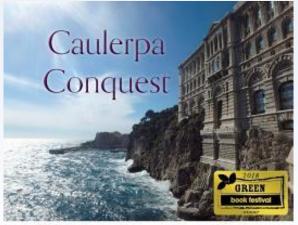
- Single-celled alga
- Invasions have large impacts
  - Mediterranean
  - -Australia
  - Canary Islands



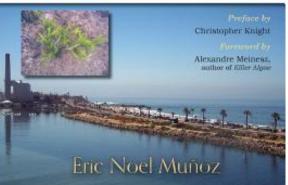
- Currently not detectable with eDNA (*C. prolifera*)
- Aquarium trade is the main vector for introductions

# History of Caulerpa Infestations in CA

- Discovered in Carlsbad and Huntington Beach in 2000
- Southern California Caulerpa Action Team (SCCAT) formed
  - Members span across jurisdictions
  - Coordinating committee
  - Aggregate resources
  - Direct actions
- Declared eradicated 2006
- Globally significant success



A Biological Eradication on the California Coast



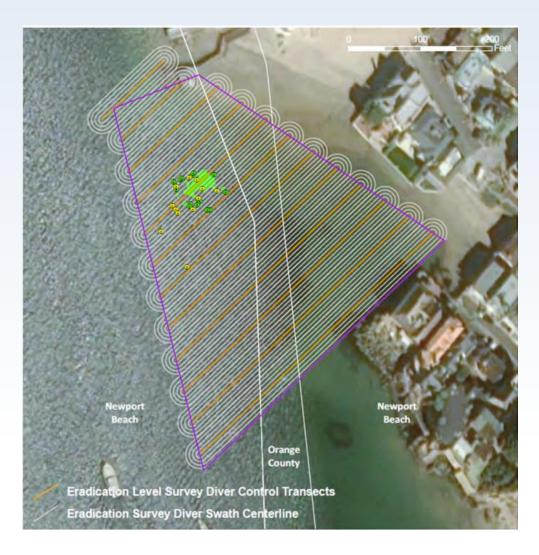
# SCCAT & Caulerpa Control Protocol

- Federal and state agencies, municipalities, harbors, ports, marinas, homeowner associations, community groups and eNGOs
- Consensus approach adopted by regulators
  - -Survey methods
  - -Surveillance requirements
  - Eradication threshold





## Newport Bay 2021







#### Lessons Learned

## SUCCESSES

• Rapid response

## CHALLENGES

- Capacity is always an issue for SCCAT members
- Adoption of shared standards among regulators
- High bar for eradication
- Collaboration through SCCAT
  Funding for surveillance
- Successful eradication

• Divers are expensive



??Questions??



## Caulerpa@Wildlife.ca.gov

# **REPORT SIGHTINGS**

#### https://wildlife.ca.gov/Conservation/Invasives/Species/Caulerpa







# **Current Caulerpa Infestations Sites**

