



CA Artificial Reef Program Plan Open Listening Sessions



Asynchronous Recording Pre-Project Open Online Listening Session

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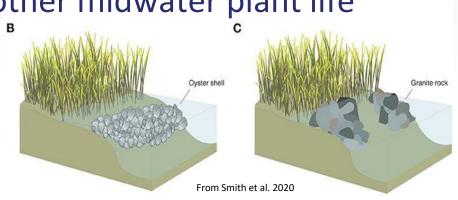


What will we cover today?

- What is an "artificial reef"?
- Artificial reefs in CA Then & Now
- What is the CA Artificial Reef Program (CARP) Plan?
- The CARP Plan timeline
- CA Artificial Reefs What do we know?
- What will the CARP Plan include?

What is an "artificial reef"?

- Intentionally placed by humans in marine environment
- Manmade or natural objects
- Duplicate conditions on natural reefs & rough bottoms
- Induce production of fishes and invertebrates
- Stimulate growth of kelp or other midwater plant life
- Creates natural habitat



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Artificial Reefs in CA – Then & Now



- Placement and studies began in the 1950s
- Department published "Plan" in 1990, missing key elements
- Renewed interest in artificial reefs has launched new effort to create comprehensive Plan that meets standards



California Artificial Reef Program (CARP) was created in 1985 to be administered by the Department



- CARP Plan will provide consistent framework for design, materials, and siting of different types of artificial reef projects:
 - Species/biodiversity enhancement or restoration (e.g. native oyster, kelp, etc.)
 - Fishing or recreational diving
 - Multiple benefit/purpose (e.g. living shorelines, coastal resilience, etc.)
- Many agencies involved in permitting artificial reefs projects





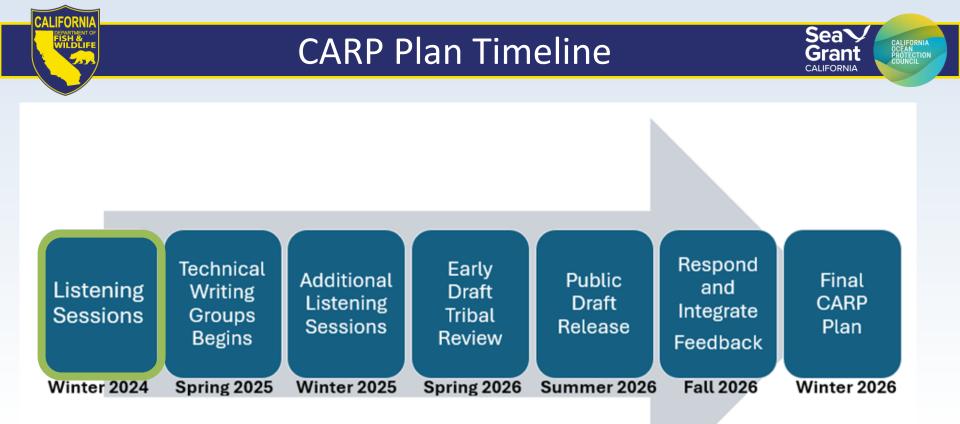








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CA Artificial Reefs – What do we know?

- Variable results
- Most studied artificial reef in CA, Wheeler North (San Onofre)
- Under certain conditions can provide increases in local biomass of species found on natural reefs, like kelp, finfish, and invertebrates







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What the CARP Plan will include

- Brief history of artificial reefs in California
- Summary of knowledge regarding artificial reefs in California and globally
- General criteria for design, materials, and location
- Siting/connectivity and habitat conversion
- Proposed requirements for various types of artificial reefs, including reefs constructed for species restoration/enhancement, recreational opportunities, and multi-benefit projects.
- Potential benefits and risks of artificial reefs
- Monitoring recommendations



https://wildlife.ca.gov/Conservation/Marine/Artificial-Reefs CONTACT

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