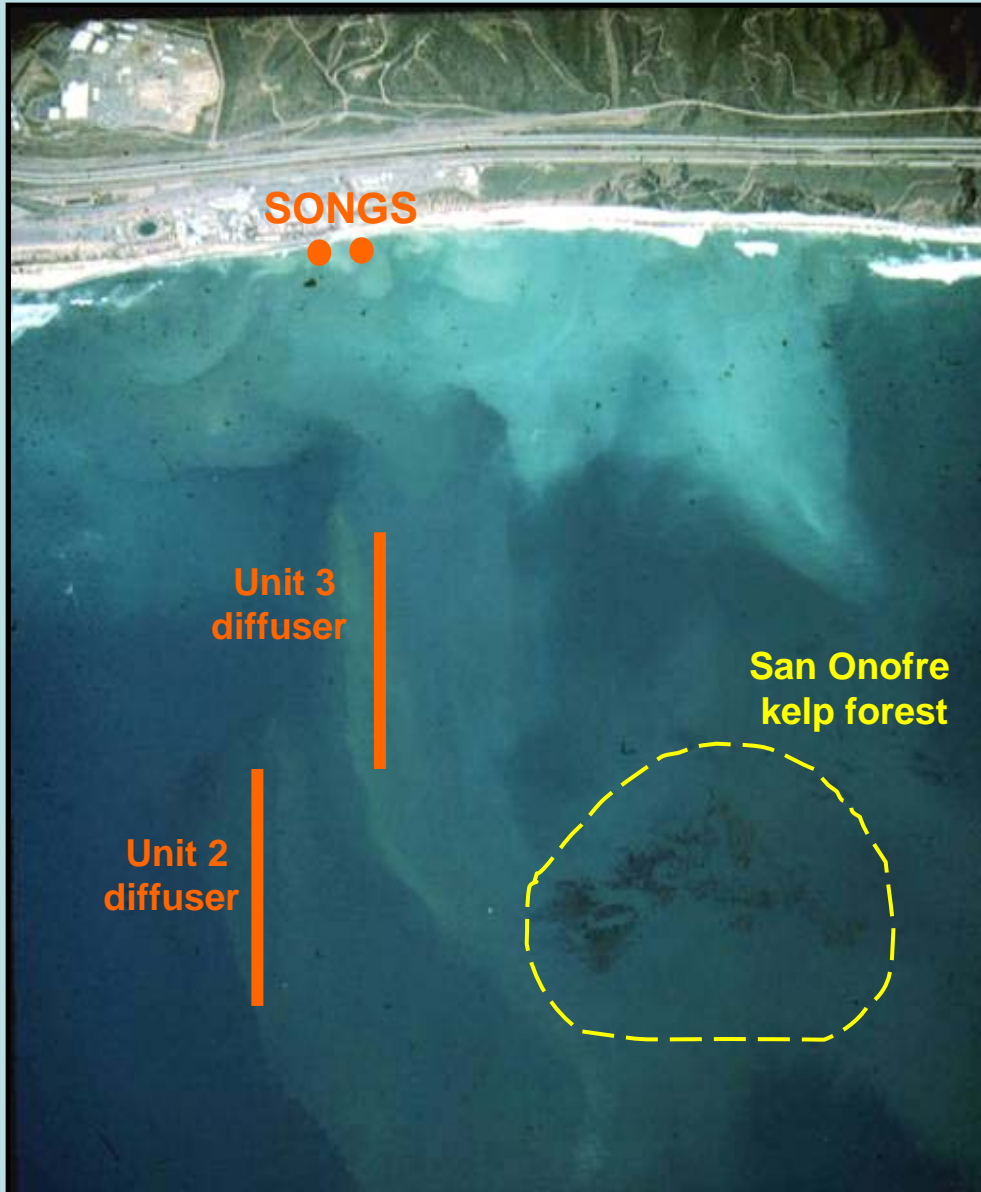


Annual Review Workshop for SONGS Kelp Reef Mitigation



**April 27 2009
San Clemente, CA**

SONGS Impacts on Giant Kelp Forests



The California Coastal Commission found that the discharge plume from SONGS Units 2 & 3 causes a substantial reduction in the size of the San Onofre kelp forest that results in significant losses of kelp and other kelp forest biota (e.g., fish, invertebrates, algae).



Conditions for Kelp Forest Mitigation

- **Construct artificial reef that as creates a minimum of 150 acres of kelp forest habitat**
- **Provide for scientific oversight and monitoring of artificial reef project that is independent of SCE**
- **Hold a public workshop to review the status of the mitigation project**

Reef Mitigation in Two Phases

1. Experimental phase:

Short-term, Small scale
(Completed December 2004)

2. Mitigation Phase:

Long-term, Large scale
(Initiated in August 2008)

Rationale:

Information gained from the experimental phase used to design the artificial reef in the mitigation phase



Agenda

Annual Public Workshop

San Onofre Nuclear Generating Station Artificial Reef Mitigation Project

- 1:00 Welcome and introduction - *Dan Reed, UCSB*
- 1:05 Planning and construction of the Wheeler North Reef – *Patrick Tennant, SCE*
- 1:35 Verification of the designed specifications of the Wheeler North Reef – *Hany Elwany, Coastal Environments*
- 1:55 Beach monitoring – *Bob Grove, SCE*

- 2:15 Break

- 2:35 Early colonization of the Wheeler North Reef – *Steve Schroeter, UCSB*
- 2:50 Monitoring the Wheeler North Reef to determine its success in mitigating for losses of kelp forest habitat – *Dan Reed, UCSB*
- 3:15 Potential implications of the Marine Life Protection Act on the SONGS mitigation projects – *Jonna Engel, California Coastal Commission*
- 3:30 Discussion
- 5:00 Adjourn