



PRESENTER & CONTACT:

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PO= Physical Oceanography
PS= Protected Species

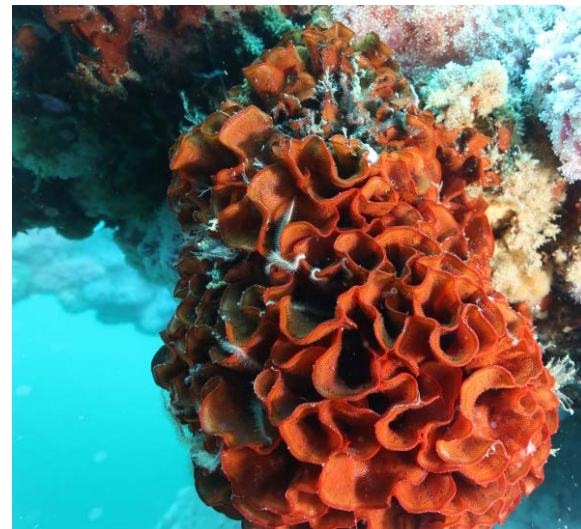
FE = Fates & Effects
SE = Social & Economic

BIO= Biology
OT = Other



BOEM Information Need: (to inform conventional and renewable energy programs)

- Biological connectivity of natural reefs and manmade structures
- Complete information on the non-native bryozoan *Watersipora*



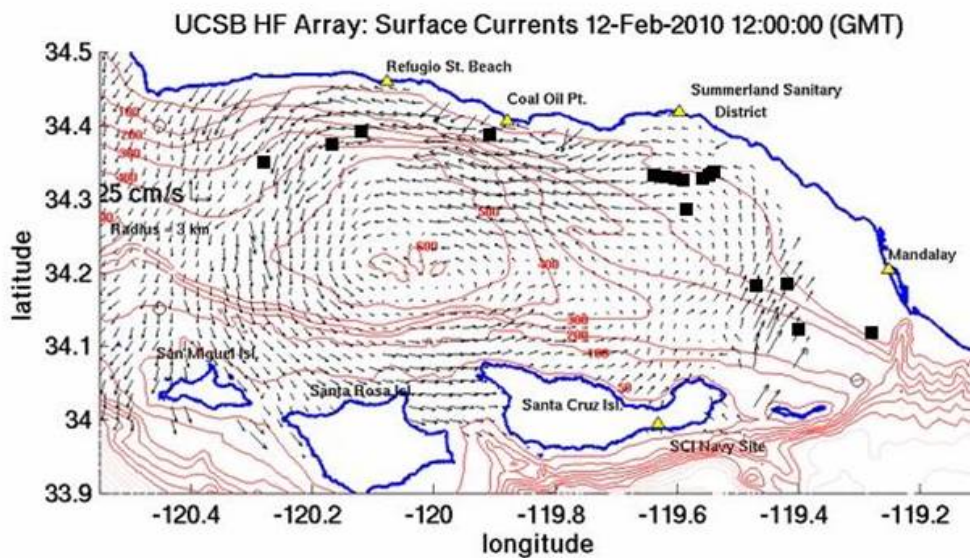
Relationship to Other BOEM-supported Research:

- Ongoing Study: *Understanding the Role of Offshore Structures in Managing Potential Watersipora subtorquata Invasions*
- 2014 New Study: *Expansion of West Coast Oceanographic Modeling Capability*



Study Objectives:

- 1) Determine the seasonality of larval settlement for native and non-native invertebrates
- 2) Describe the role that offshore structures may have in linking and affecting biological communities



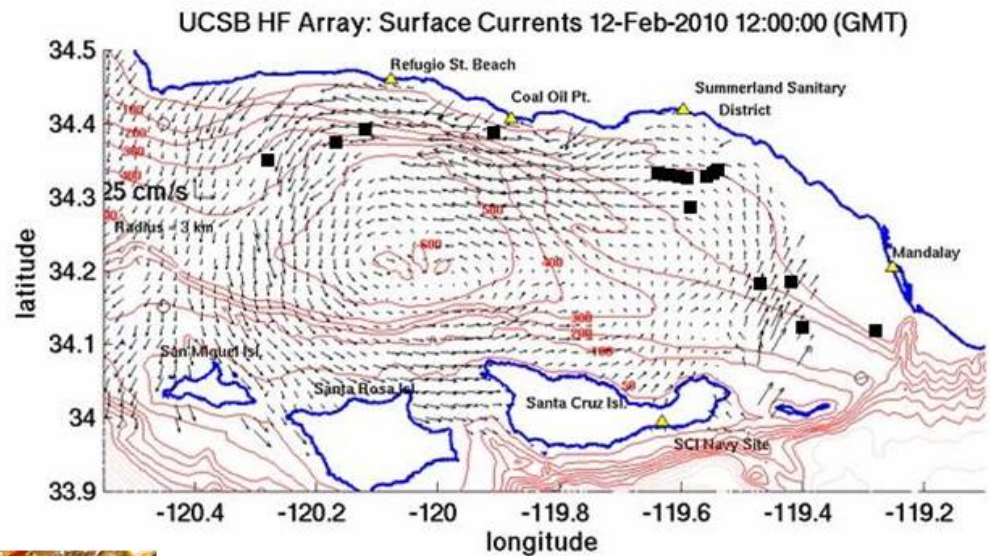
Study Methods:

- 1) Quantify rates of colonization and growth of *Watersipora subtorquata*
- 2) Document the seasonality of ecologically and economically important marine invertebrate settlement at platforms; utilize recruitment data collected in the ongoing study, *Watersipora I*
- 3) Model biological connectivity



Specific Feedback Sought from Scientific Committee:

- 1) Larval transport modeling – ROMS model outputs to drive a 3D Lagrangian particle tracking model. Is there another oceanographic model we should consider?





Pt. Conception

Santa Barbara

Ventura

Santa Barbara Channel, California

San Miguel Is.

Santa Rosa Is.

Santa Cruz Is.

Anacapa Is.

