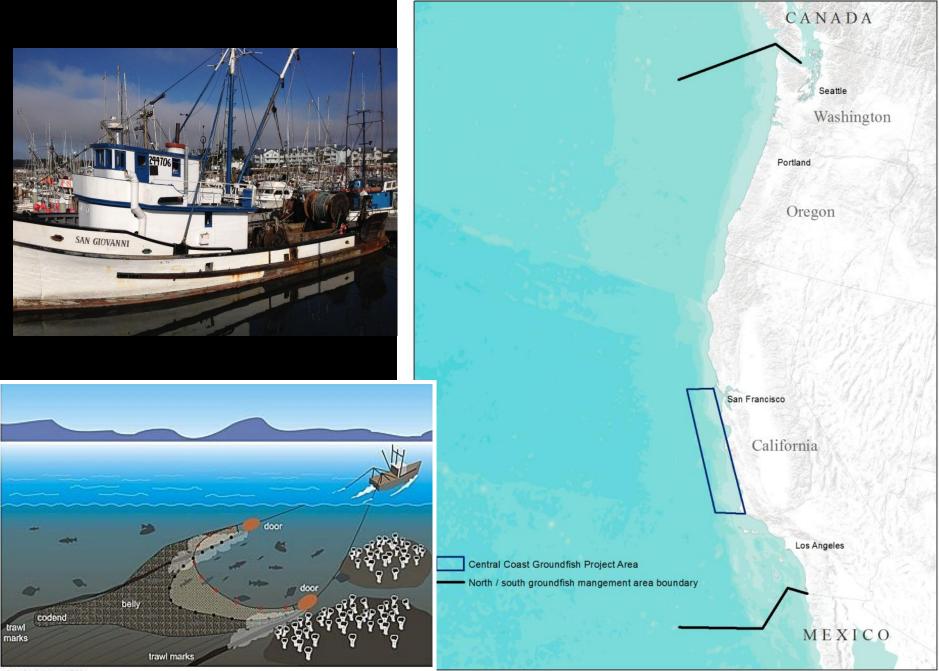


Combining local knowledge and scientific data to reduce bycatch of overfished species in the US West Coast groundfish fishery

Mary Gleason, Lead Scientist





West Coast Groundfish Management Area

(after Christen, 1999)



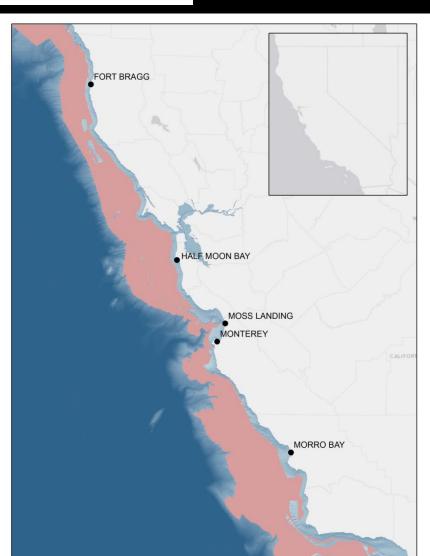
Gleason et al 2013. A transactional and collaborative approach to reducing the effects of bottom trawling. Conservation Biology 27:470-479



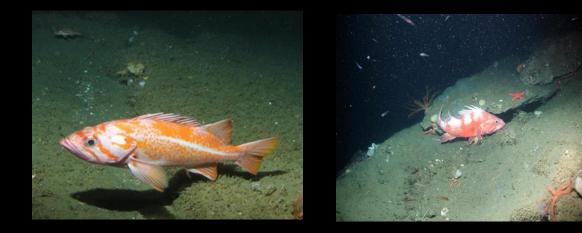
PUBLISHED MONDAY, NOVEMBER 28, 2011

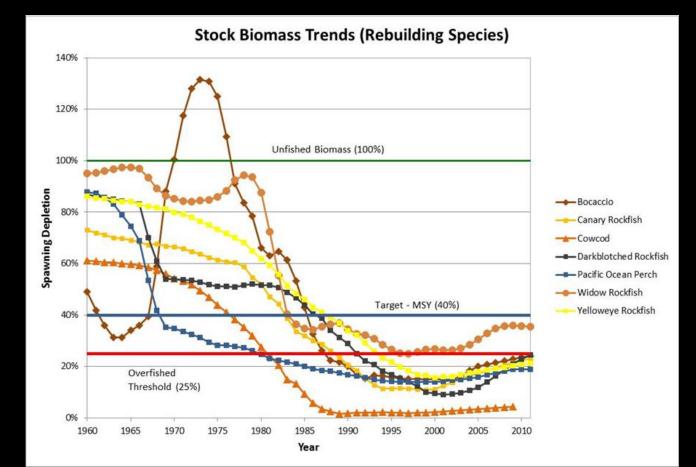
Partnership Preserves Livelihoods and Fish Stocks













Seattle

Rockfish Conservation Areas (in place since 2002, but *temporary*)

San Francsico

Seattle

Rockfish Conservation Areas (in place since 2002, but temporary)

Strict annual catch limits: E.g. Yelloweye Rockfish 2073 lbs. coast-wide





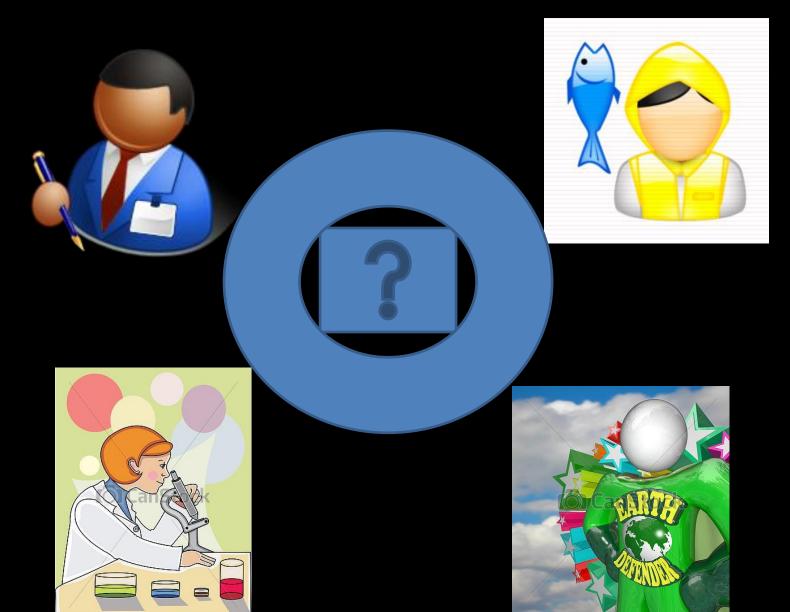
Annual monitoring soft bottom habitats like this:





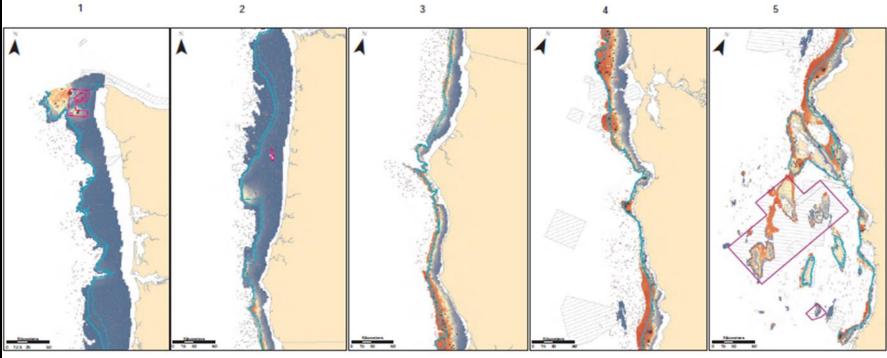
.....Not rocky habitats where these species live.

Where are these overfished species? And how are they doing?

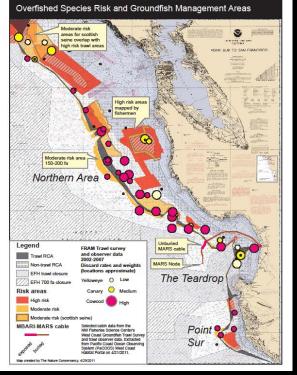


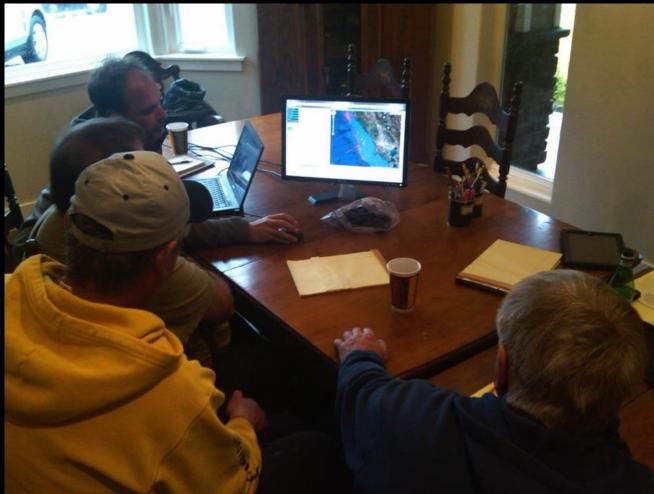
Predictive Modeling of Hotspots

Bocaccio Catch Per Unit Effort Prediction

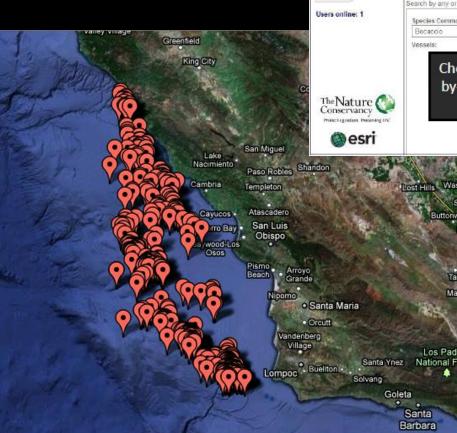












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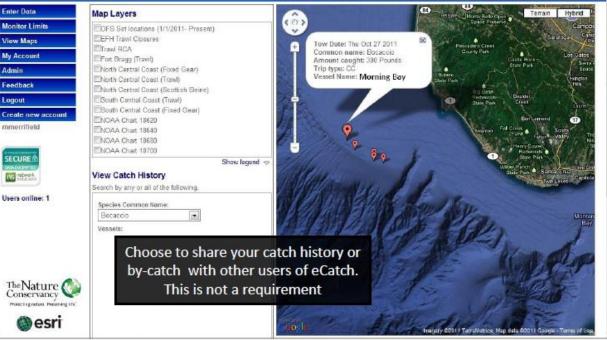
Admin

*e*Catch

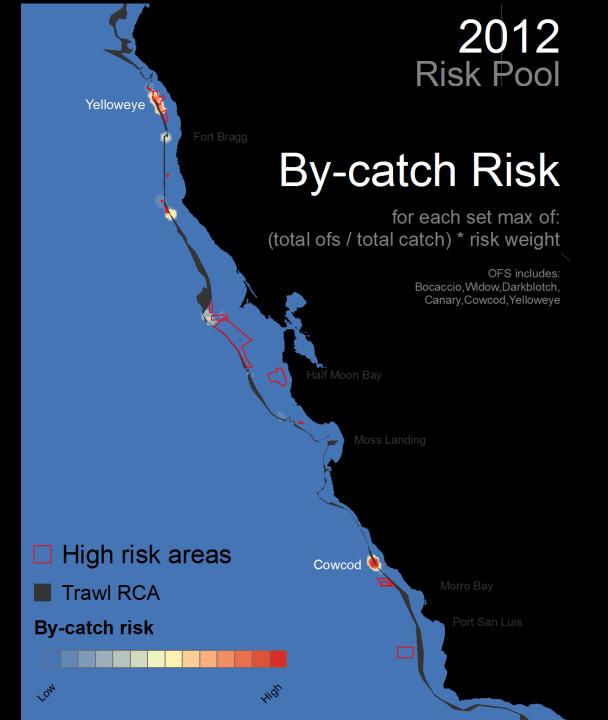
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Collaborative Fisheries Research

Donne Rathleen

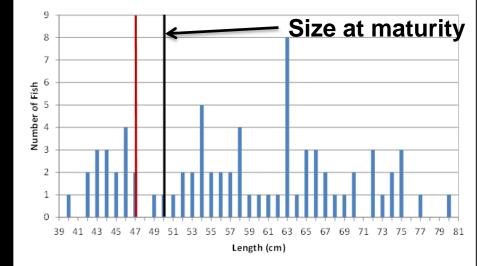


"Video Lander"

- Fish density
- Fish size
- Habitat associations

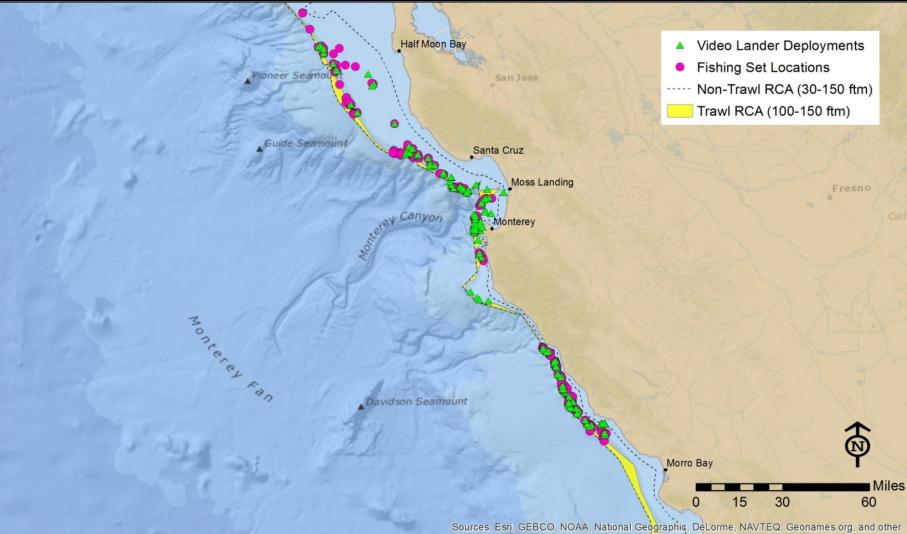


Bocaccio Length Frequency





Visual and Fishing Surveys



Created by Corina Marks, Moss Landing Marine Labs

contributors

Seattle

Reconfigure the Rockfish Conservation Areas

Inform stock status and catch allocations

San Francsico

