

# Marine Life Protection Act Initiative



## Additional Datasets Available for MPA Planning in the MLPA South Coast Study Region

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**Presentation to the MLPA South Coast Regional Stakeholder Group  
January 14, 2008 • San Diego, CA**



## New Datasets Available/Pending

- Substrate Mapping
- California Ocean Uses Atlas Project
- California Coast Online Survey
- Tribal Use of Marine Resources
- Ecotrust Fisheries Values and Uses Project  
(survey of commercial and recreational fisheries)



## Substrate Mapping

- Fine scale information on location of hard and soft bottom habitats by depth zone
- Collected by Fugro Pelagos, Inc. and California State University, Monterey Bay (Rick Kvitek lab)
- Will be incorporated into regional profile and MarineMap
- Data have been collected; processed information expected in February



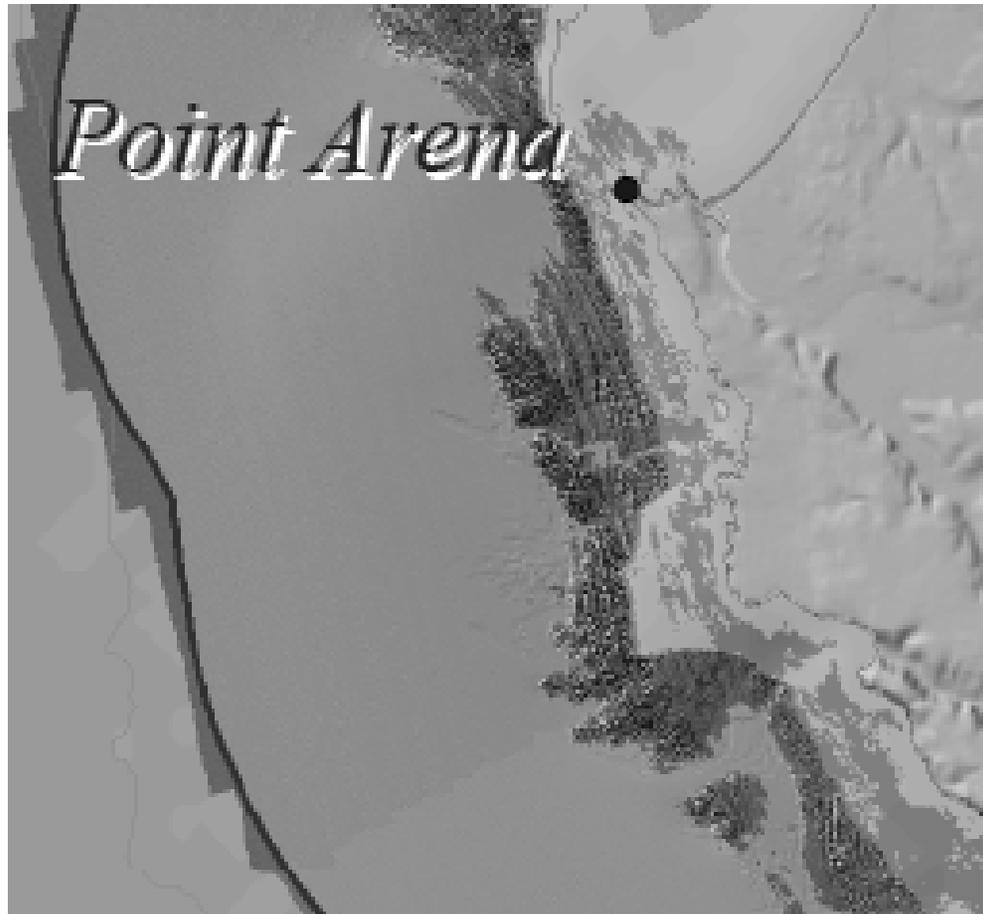
# Substrate – North Central Coast

Coarse  
scale  
data





# Substrate – North Central Coast

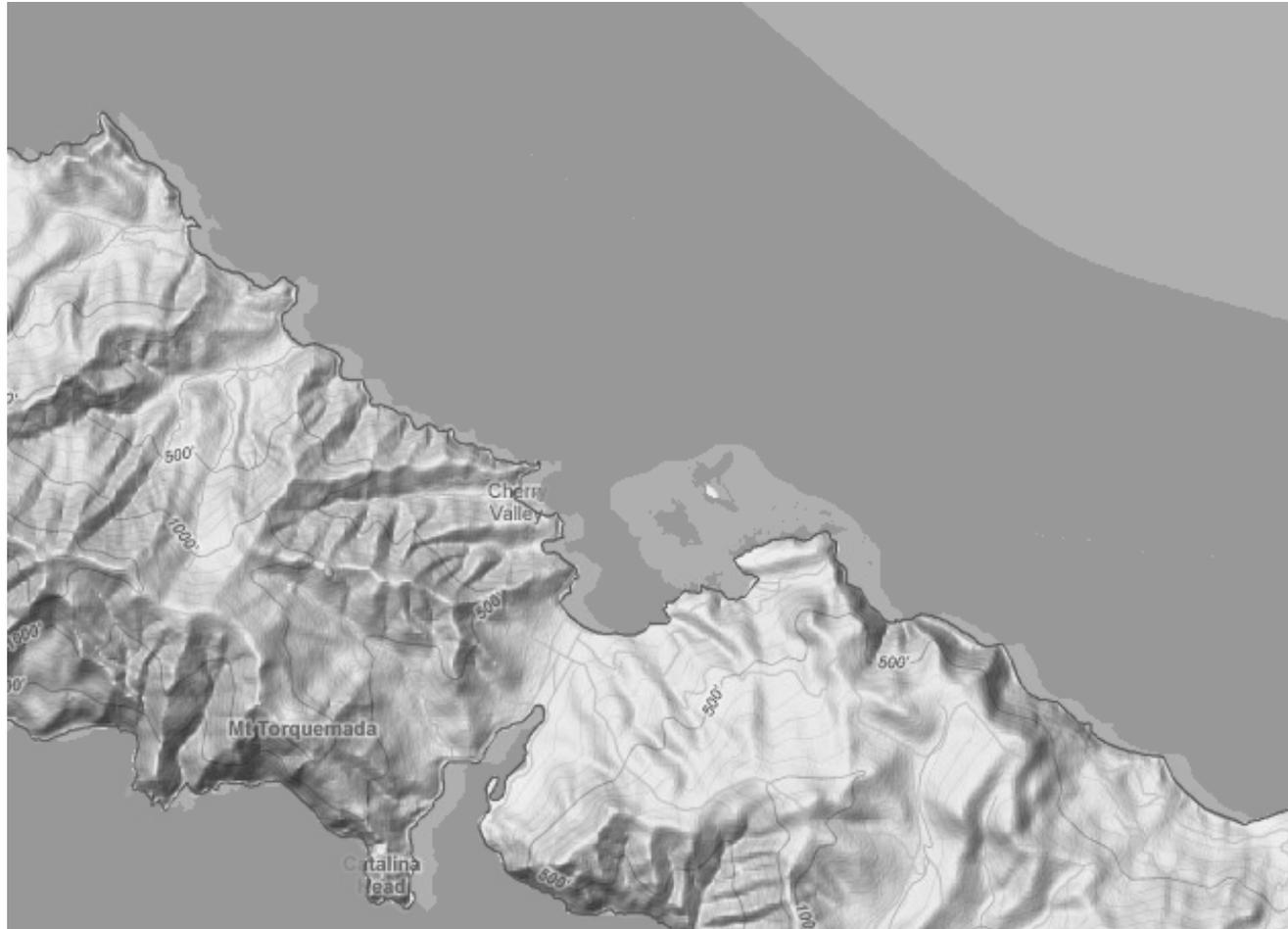


Fine  
scale  
data



# Substrate – South Coast

Coarse  
scale  
data





# Substrate – South Coast

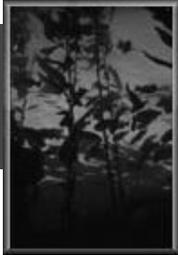
Draft  
fine  
scale  
data





## California Ocean Uses Atlas Project

- Spatial information for 26 ocean uses
- Divided into industrial and military, non-consumptive, and fishing activities
- Collected by National MPA Center and Marine Conservation Biology Institute
- Incorporated into MarineMap and available in separate report/maps
- Available now, additional information at next meeting



# California Ocean Uses Atlas Project

## *Industrial*

Military Operations and Testing

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Mining and Mineral Extraction

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Offshore - Alternative Energy

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Offshore Aquaculture

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Offshore Oil and Gas

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Shipping

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Underwater Cables

## *Non-Consumptive*

Beach Use

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Cruise Ships

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Motorized boating

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Paddling

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Sailing

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SCUBA/Snorkeling

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Surface Water Sports

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Swimming

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Tidepooling

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Wildlife Viewing at sea  
(Commercial only)

## *Consumptive*

Commercial dive fishing

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Commercial fishing,  
benthic fixed gear

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Commercial fishing,  
benthic mobile gear

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Commercial pelagic fishing

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Kelp harvesting

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Recreational dive fishing

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Recreational fishing, from  
boats

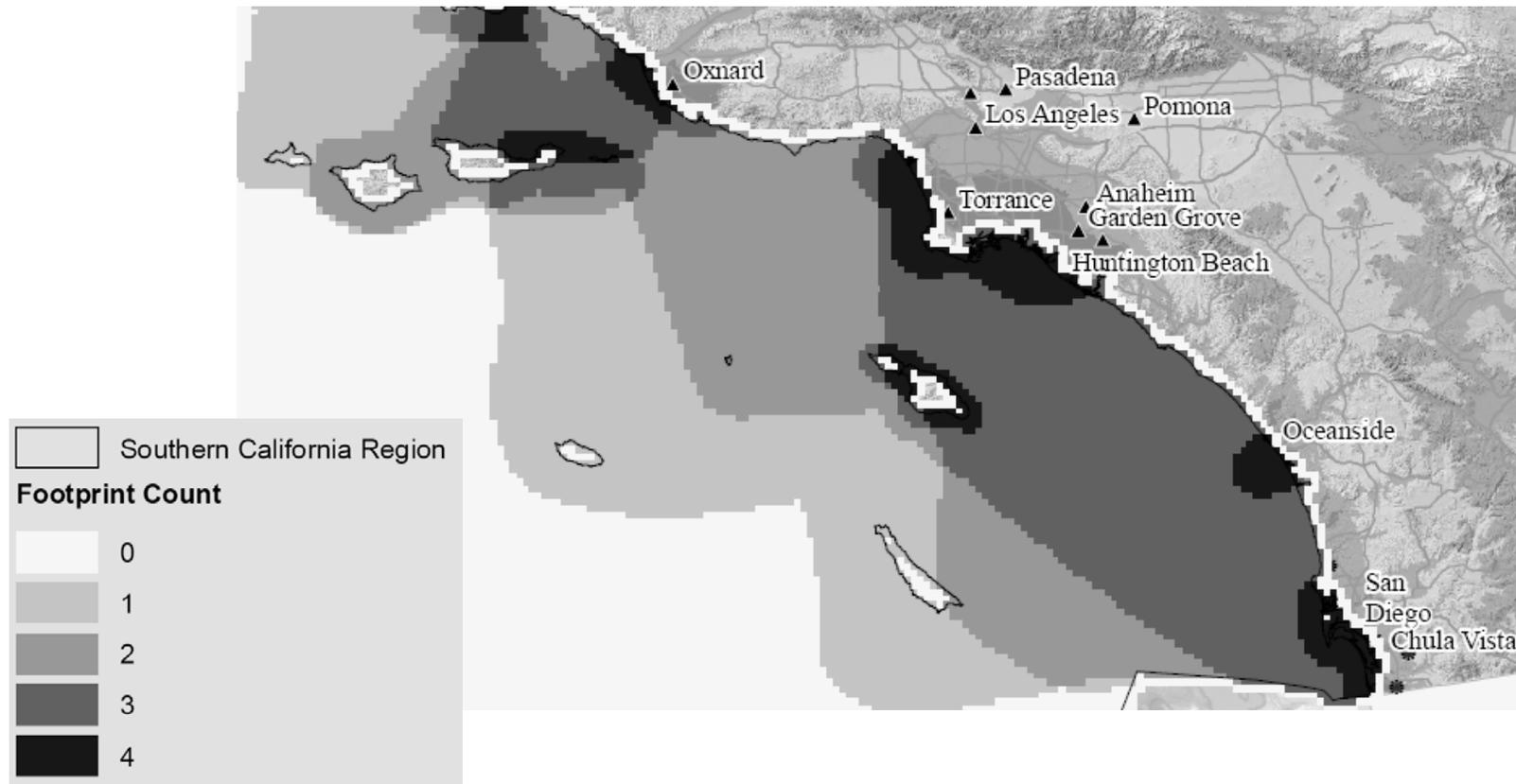
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Recreational fishing, from  
shore



# California Ocean Uses Atlas Project

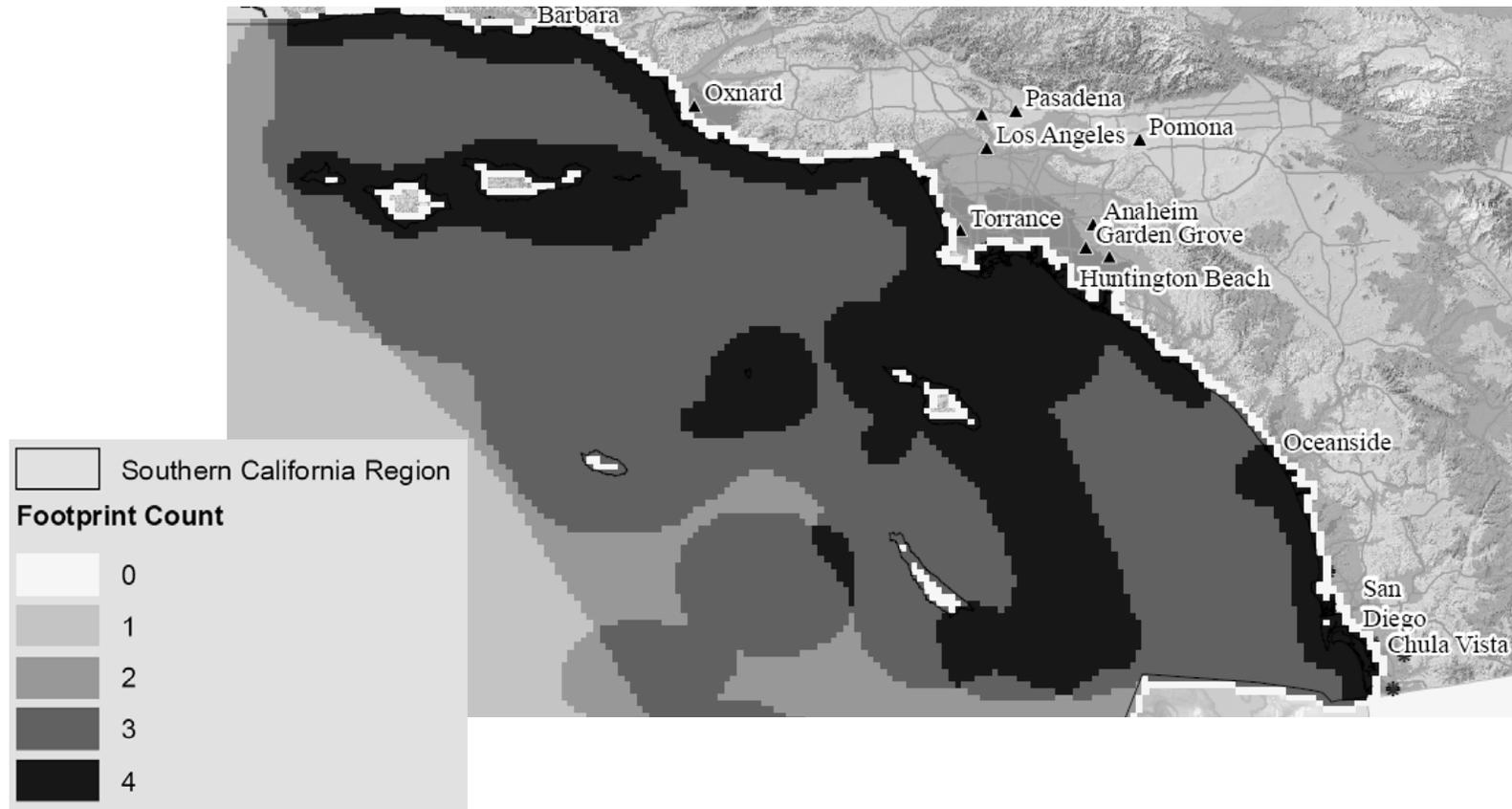
## Boating – Dominant Use





# California Ocean Uses Atlas Project

## Boating – Maximum Footprint





## California Coast Online Survey

- Information regarding recreational coastal use from an online geo-survey
- Collected by Linwood Pendleton (Coastal Ocean Values Center) and Chris LaFranchi (NaturalEquity)
- Incorporated into MarineMap and available online <http://covc.centraldesktop.com/santamonicabayhumans/> (Contact [linwoodp@coastalvalues.org](mailto:linwoodp@coastalvalues.org) for access)
- Available now, additional information at next SCRSG meeting



# California Coast Online Survey

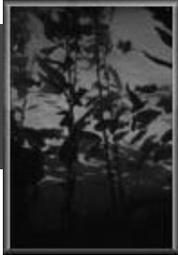
- Internet survey technology
  - Random
  - Drawn from a pool of 100,000 CA respondents
  - 4000 responses (expected 6000 by spring 2009)
- Can be extrapolated to regional population
- Ask detailed questions about coastal visitation
  - “How many times do you visit the coast, where, and what do you do?”



# California Coast Online Survey

Data from last trip about

- Exact site of last trip
- Frequency of visits
- Activities undertaken (consumptive and non-consumptive)
- Spending
- Visitor demographics



# California Coast Online Survey

You have selected region 3 (Start Over)

Map Hybrid 1

A map interface for an online survey. The map shows a coastal area with two black dots indicating survey locations. One dot is on Coleman Dr near the bottom left, and the other is on Embarcadero near the top center. The map includes labels for 'Coleman Dr', 'Embarcadero', 'Coleman Park', and 'Keiser Park'. A road network is shown with 'Coleman Dr' and 'Embarcadero' as main roads. A small circle with the number '1' is visible in the top right corner. The map is overlaid on a grey background representing land and water.

Keiser Park

Embarcadero

Embarcadero

Coleman Park

Coleman Dr

Coleman Dr

Embarcadero

POWERED BY

# California Coast Online Survey





## Tribal Use of Marine Resources

- Pending information on tribal use of marine resources in the MLPA South Coast Study Region
- Tribal Forum scheduled for February 28-29
- Potentially incorporated into MarineMap



## Ecotrust Fisheries Project

- Stated areas of importance for commercial and recreational fisheries
  - Collected by Ecotrust
  - Incorporated into MarineMap and available in separate summary/maps
- More from Charles Steinback of Ecotrust...



## Use of data

- Additional datasets may inform placement and design of MPAs and/or proposed regulations
- To be used in conjunction with
  - Regional Profile
  - Other datasets in MarineMap
  - Input from fellow RSG members
  - Input from members of the public/outside groups