

FCEC Strategic Planning Meeting

September 13, 2012

Gabrielle Dorr, MSRP Outreach Coordinator



Montrose Settlements Restoration Program

Montrose Settlements Restoration Program Trustee Council



National Oceanic & Atmospheric Administration
U.S. Fish and Wildlife Service
National Park Service
California Department of Fish and Game
California State Lands Commission
California State Parks



Montrose Settlements Restoration Program



Fishing and Fish Habitat



Peregrine Falcons



Bald Eagles



Seabirds



Montrose Settlements Restoration Program



Fishing and Fish Habitat Restoration

Restore lost fishing opportunities

Restore fish habitat



Montrose Settlements Restoration Program

Fishing Restoration Projects

Phase 1

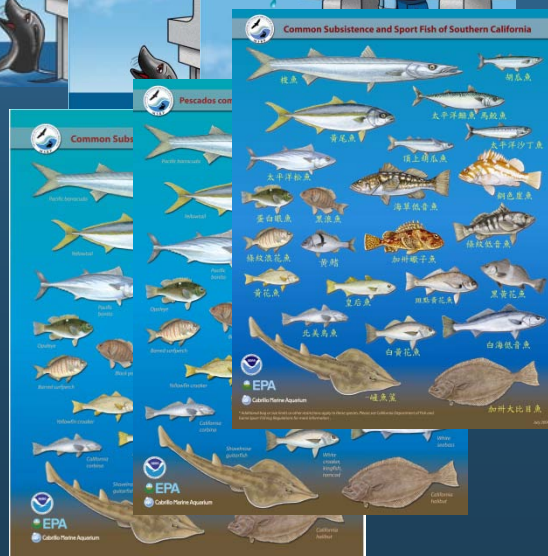
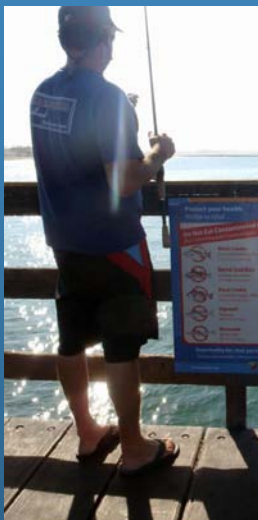
Provide Public Information to Restore Lost Fishing Services

Construct Artificial Reefs and Fishing Access Improvements



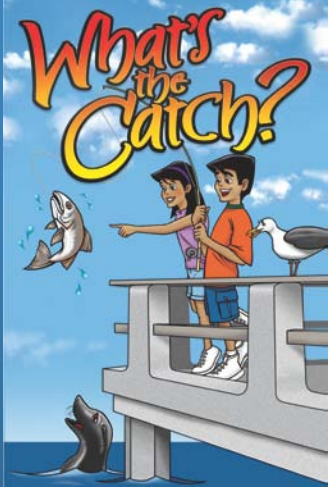
Montrose Settlements Restoration Program

Public Information Project





Montrose Settlements Restoration Program



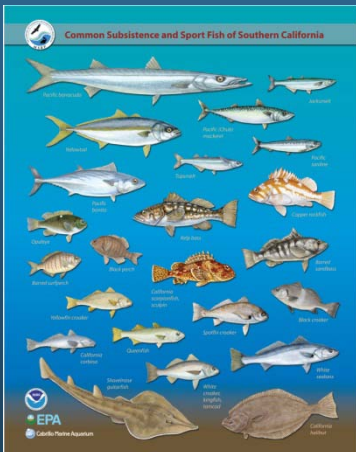
Distributed ~40,000 copies to date

Outreach events, Classrooms, Teacher Workshops, Grant Programs



Distributed \$160K to 7 youth fishing organizations

Reached ~10,000 youth and families



Distributed ~40,000 copies to date

Outreach events, Pier Outreach, Classrooms, Teacher Workshops, Grant Programs

Initiated Program Review

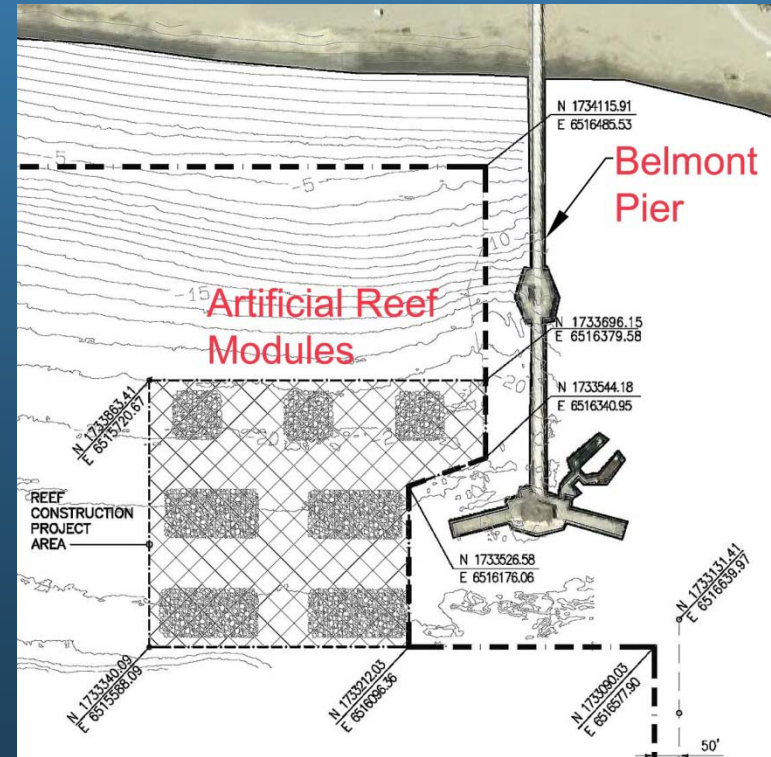


Montrose Settlements Restoration Program

Belmont Pier Artificial Reef

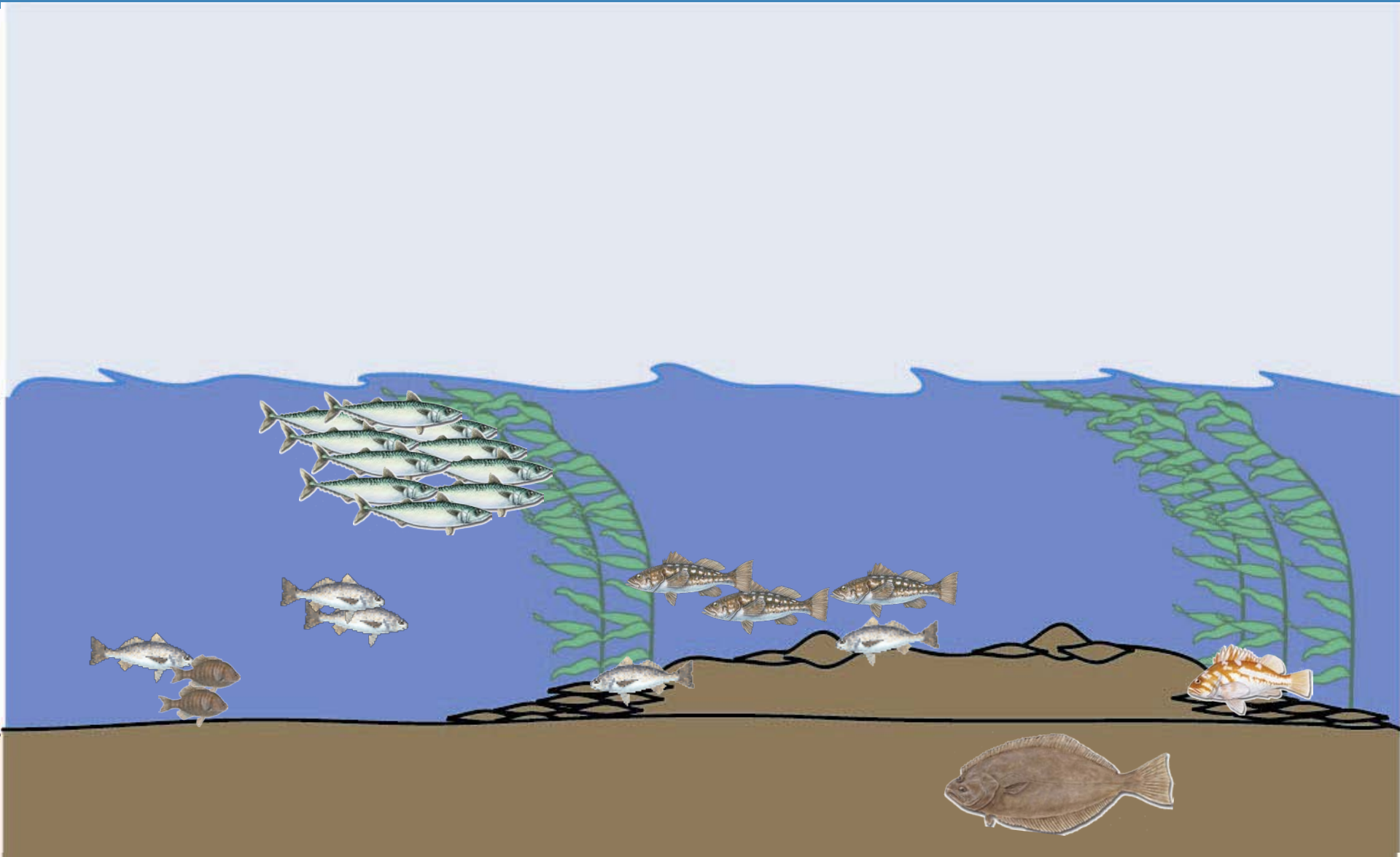


Proposed construction for Winter 2013





Montrose Settlements Restoration Program





Montrose Settlements Restoration Program

Fish Habitat Restoration Projects

Phase 1

Restore Full Tidal Exchange Wetlands (completed)

Augment Funds for Implementing Marine Protected Areas in California (completed)

Phase 2

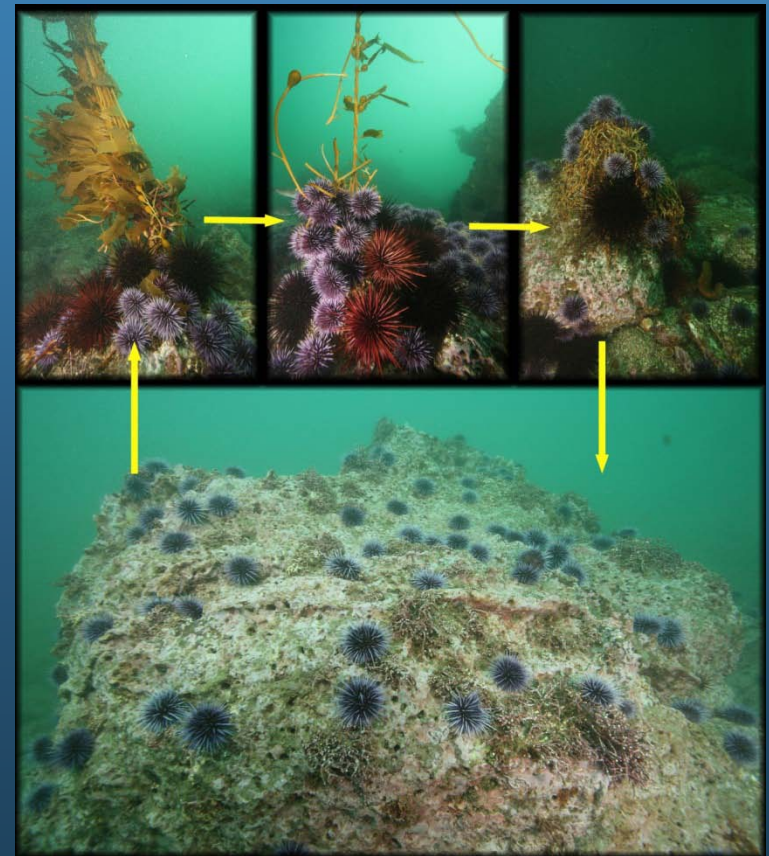
Kelp Forest Restoration on Palos Verdes Shelf

Subtidal Reef Restoration on Palos Verdes Shelf



Montrose Settlements Restoration Program

Subtidal Reef and Kelp Forest Habitat on Palos Verdes Shelf





Montrose Settlements Restoration Program

Bald Eagle Restoration

Restore eagles to the Channel Islands





Montrose Settlements Restoration Program

Bald Eagle Restoration Projects

Phase 1

Northern Channel Islands Feasibility Study (completed)

Santa Catalina Island Program (completed)

Phase 2

Monitor Bald Eagles on the Channel Islands



Montrose Settlements Restoration Program



Bald Eagles are now breeding on 4 of the 8 Channel Islands (60+ resident eagles)

15 nests with 19 chicks were recorded in 2012

Funding is provided for a comprehensive monitoring program across the Channel Islands



Montrose Settlements Restoration Program



Peregrine Falcon Restoration

Monitor natural recovery of peregrine falcons on Channel Islands



Montrose Settlements Restoration Program



Conducted one comprehensive recovery monitoring project of peregrines in the Channel Islands

In 2007, three chicks hatched on Santa Barbara Island unaided by humans **for the first time in over 50 years!**

Second survey will be completed in 2013



Montrose Settlements Restoration Program

Seabird Restoration

Habitat Restoration

Non-Native Predator Removal

Social Attraction





Montrose Settlements Restoration Program

Seabird Restoration Projects

Phase 1

Restore Alcids to Santa Barbara Island

Restore Seabirds to San Nicolas Island (completed)

Restore Seabirds to Scorpion and Orizaba Rocks

Restore Seabirds to Baja California Pacific Islands

Restore Ashy Storm-Petrels to Anacapa Island (Phase 2)

~~*Restore Seabirds to San Miguel Island (not feasible)*~~

Phase 2

Restore Alcids to Santa Barbara Island (cont.)

Restore Ashy Storm-Petrels on the Channel Islands

Restore Seabirds to Scorpion Rock (cont.)

Reduce Seabird Disturbance on the Channel Islands

Restore Seabirds to Baja California Pacific Islands

Restore Seabirds to Prince Island



Montrose Settlements Restoration Program





Montrose Settlements Restoration Program

Santa Barbara Island Restoration



Non-native plants removed

15,000 plants within 5 restoration sites comprising 5 acres

Over 4,000 volunteer hours logged

Artificial nests and social attraction installed at several sites

Watering, weeding, and monitoring



Montrose Settlements Restoration Program



Landing Cove 2008

Just 4 years later!



Landing Cove 2012



Montrose Settlements Restoration Program

Cassin's Auklets on SBI: Good News!





Montrose Settlements Restoration Program

Scorpion Rock Restoration



Non-native plants removed

8,000 plants in the ground since 2007

Over **2,000** volunteer hours logged

Watering, weeding, planting, nest monitoring

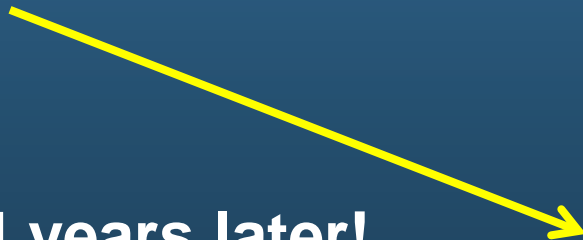


Montrose Settlements Restoration Program



Scorpion Rock 2007

Just 4 years later!



Scorpion Rock 2011



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Baja California Pacific Islands Restoration





Montrose Settlements Restoration Program

Ashy Storm-Petrels on the Channel Islands





Montrose Settlements Restoration Program

Reduce Seabird Disturbance on the Channel Islands





Montrose Settlements Restoration Program

General Outreach

Program Website

Outreach Products

- Educational kiosk exhibits (3 locations)
- Films about restoration (5)
- Fish Webcam
- Bald Eagle Webcam
- Publications

Outreach Events (8-10 per year)

Quarterly Newsletter

Social Media Tools



Montrose Settlements Restoration Program



NOAA

MONTROSE SETTLEMENTS RESTORATION PROGRAM
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



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RESTORATION

WHAT YOU CAN DO

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3D Animation

Videos

Fish Webcam

Bald Eagle Webcam

Publications

For Educators

Cassin's Auklets

Find a Home on Santa
Barbara Island



CASSIN'S AUKLETS

MONTROSE CELEBRATES 10 YEARS

DOWNLOAD 3D ANIMATION

BALD EAGLE FILM





Montrose Settlements Restoration Program



Location	Duration	# Users	Percent Watching Videos
SEA Lab	2 yrs	40, 233	10%
California Science Center	1 year	127,324	30%
Cabrillo Marine Aquarium	5.5 months	16,612	8%
Channel Islands National Park Visitors Center	6 months	ND	ND
Total Users		184,169+	



Montrose Settlements Restoration Program

Fish Webcam



20 Species observed

5,800 views (1,000 new views after advertising)

Teachers using as an educational tool in classroom



Montrose Settlements Restoration Program

Bald Eagle Webcam



160,000 unique visitors from over 145 countries resulting in **1.5 million hits** each year

2,000 community members on the webcam forum

provide nest observations for biologists



Montrose Settlements Restoration Program

Outreach Events



Earth Day-Aquarium of the Pacific

Earth Day-SEA Lab

Bald Eagle Festival-Channel Islands National Park

Day at the Docks- Marina Del Rey Anglers

Fishing Rodeo-Belmont Pier, Long Beach

Youth Fishing Derby-Seal Beach Pier

Grand Re-opening-Colorado Lagoon

Sea Fair Festival-Cabrillo Marine Aquarium

NOAA Day-Aquarium of the Pacific



Montrose Settlements Restoration Program

Collaboration With EPA

- MSRP is an active participant in the **Palos Verdes Technical Exchange Group** and **Messaging Work Group**
- Long-term partners in the FCEC
- MSRP provides information and technical support regarding commercial recreational fishery statistics, fish biology and behavior, and contaminant bio-accumulation

Specific Examples

- **Fish Contamination Survey** – results used to update fish consumption advisories
- **Angler Survey** (2004)
- **Fish tracking study**- to determine linkages between fish movement and proposed remedial sites



Clarifying Questions??