

Channel Islands Marine Reserves Process



© Ernie Brooks



Sanctuary Advisory Council

Channel Islands Marine Reserves Process

PACKET CONTENTS

Marine Reserves Background and Process.....	1
The MRWG Mission and Problem Statement.....	3
Goals and Recommendations for Marine Reserves in the Channel Islands.....	4
Membership of the Marine Reserves Working Group.....	5
Membership of the Science Advisory Panel.....	5
Membership of the Socioeconomic Panel.....	5
Public Meeting Schedule.....	6

For additional information contact

Sean Hastings
Channel Islands National Marine Sanctuary
Sean.hastings@noaa.gov
805-966-7107 x 472

John Ugoretz
Department of Fish and Game
jugoretz@dfg2.ca.gov
805-560-6758

or visit the Sanctuary website at www.cinms.noaa.gov

Background and Process Overview

What are Marine Reserves?

Marine reserves, or “no take” zones, are a type of Marine Protected Area that prohibit all extraction or harvesting of marine resources. Marine reserves are not intended to limit access or anchoring.

Where are Marine Reserves being considered?

Marine reserves are being considered within the Channel Islands National Marine Sanctuary (Sanctuary). The Sanctuary is a federally designated Marine Protected Area that encompasses 1252 square nautical miles, from the shoreline out six nautical miles around San Miguel, Santa Rosa, Santa Cruz, Anacapa and Santa Barbara Islands. Sanctuary waters overlap State waters (shoreline out three miles) and the Channel Islands National Park (shoreline out one mile around the Islands).

How does the process work?

The Sanctuary and the California Department of Fish and Game developed a joint federal and state process to consider establishing marine reserves in the Sanctuary. The process is based on both extensive stakeholder input and the best available biological and economic science.

The Channel Islands National Marine Sanctuary Advisory Council (SAC) is considered the heart of the process. The development of a Marine Reserve Working Group and Science Panel, under SAC oversight, permits the involvement of additional experts and community members not on the SAC.

The Marine Reserves Working Group membership was designed by the SAC to represent the full range of community perspectives. These include the general public, commercial fishing and diving, recreational fishing and diving, federal and state agencies and national, state and local environmental interests.

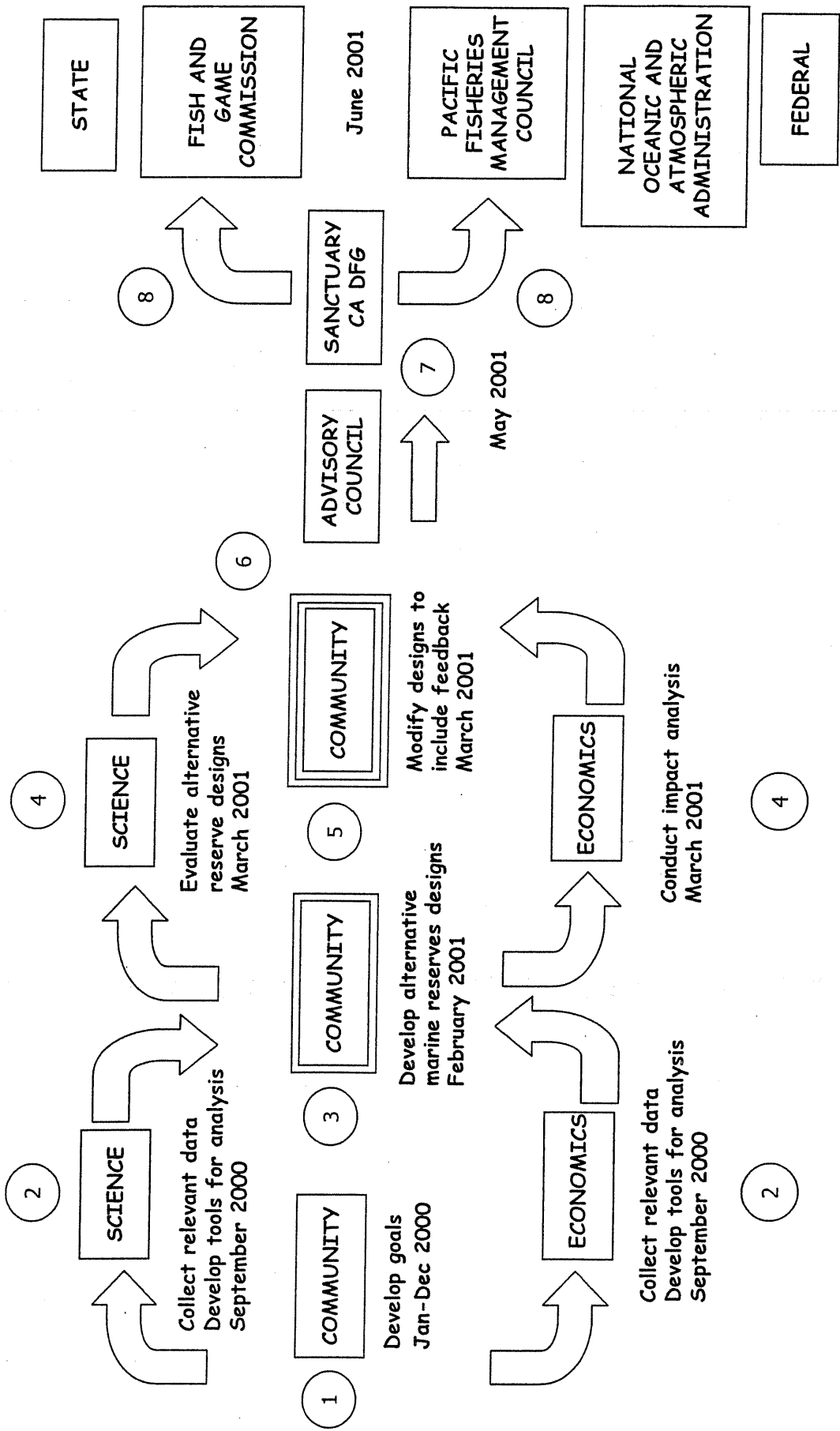
Two additional groups were formed to support the work of the Marine Reserves Working Group by providing additional expertise: a Science Panel and an Socio-economic Panel. The Science Panel, also created by the SAC, is composed of 15 members with expertise in disciplines relevant to the reserve issue. Included in this blue-ribbon panel are physical and biological oceanographers, ichthyologists, invertebrate zoologists, fishery managers, statisticians, ecologists, modelers, and more. The Socio-economic Panel, composed of economists from NOAA and local contractors, will prepare an impact analysis of reserve designs by utilizing existing socio-economic information accumulated from various studies. The Panel has collected new information on the use and value of local resources.

The Working Group will provide a recommendation to the Sanctuary Advisory Council (SAC) regarding the size and location of marine reserves by May 23, 2001. The SAC will evaluate and forward the recommendation to the Sanctuary Manager. The Sanctuary Manager and Dept of Fish and Game will then provide this recommendation to the California Fish and Game Commission and Pacific Fisheries Management Council (PFMC) and work with these and other agencies to integrate and implement marine reserves into existing management, such as the California Marine Life Protection Act.

The Working Group meets monthly in Santa Barbara, CA all meetings are open to the public. Additionally, evening forums are held to seek direct interaction with the general public.

Overview of the Marine Reserves Process

Progress to date (Step 5) and projected schedule



MISSION STATEMENT
adopted by consensus of the
Marine Reserves Working Group

Using the best available ecological, socioeconomic, and other information, the Marine Reserves Working Group will collaborate to seek agreement on a recommendation to the Sanctuary Advisory Council regarding the potential establishment of marine reserves within the Channel Islands National Marine Sanctuary Area.

PROBLEM STATEMENT
adopted by consensus of the
Marine Reserves Working Group

The urbanization of southern California has significantly increased the number of people visiting the coastal zone and using its resources. This has increased human demands on the ocean, including commercial and recreational fishing, as well as wildlife viewing and other activities. A burgeoning coastal population has also greatly increased the use of our coastal waters as receiving areas for human, industrial, and agricultural wastes. In addition, new technologies have increased the efficiency, effectiveness, and yield of sport and commercial fisheries. Concurrently there have been wide scale natural phenomena such as El Nino weather patterns, oceanographic regime shifts, and dramatic fluctuations in pinniped populations.

In recognizing the scarcity of many marine organisms relative to past abundance, any of the above factors could play a role. Everyone concerned desires to better understand the effects of the individual factors and their interactions, to reverse or stop trends of resource decline, and to restore the integrity and resilience of impaired ecosystems.

To protect, maintain, restore, and enhance living marine resources, it is necessary to develop new management strategies that encompass an ecosystem perspective and promote collaboration between competing interests. One strategy is to develop reserves where all harvest is prohibited. Reserves provide a precautionary measure against the possible impacts of an expanding human population and management uncertainties, offer education and research opportunities, and provide reference areas to measure non-harvesting impacts.

GOALS FOR MARINE RESERVES IN THE CHANNEL ISLANDS

adopted by consensus of the
Marine Reserves Working Group

1. Ecosystem Biodiversity

To protect representative and unique marine habitats, ecological processes, and populations of interest.

2. Socioeconomic

To maintain long-term socioeconomic viability while minimizing short-term socioeconomic losses to *all* users and dependent parties.

3. Sustainable Fisheries

To achieve sustainable fisheries by integrating marine reserves into fisheries management.

4. Natural and Cultural Heritage

To maintain areas for visitor, spiritual, and recreational opportunities which include cultural and ecological features and their associated values.

5. Education

To foster stewardship of the marine environment by providing educational opportunities to increase awareness and encourage responsible use of resources.

RECOMMENDATIONS FOR THE IMPLEMENTATION OF MARINE RESERVES

In order to effectively implement and manage new marine reserves:

1. Agency coordination and accountability for marine reserves is essential.
2. Community oversight of reserve administration is encouraged.
3. Reserves need to be adequately funded for administration and management.
4. Reserves require coordinated and adequate enforcement to function.
5. Monitoring, evaluation and assessment programs should be developed and implemented.

Channel Islands National Marine Sanctuary Advisory Council

Marine Reserves Working Group

Name	Affiliation	Representation
Patricia Wolf	Chair, Fish and Game	CDFG
Matthew Pickett	Co-chair, Sanctuary Manager	CINMS
Warner Chabot	Center for Marine Conservation	Conservation
Michael McGinnis	UCSB, Ocean Coastal Policy Center	Conservation
Steve Roberson	Marine Resource Restoration	Conservation
Sean Kelley	Surfrider Foundation	Conservation
Chris Miller	Lobster Trappers Association	Consumptive
Neil Guglielmo	Squid Seiner and processor	Consumptive
Dale Glanz	ISP Alginates	Consumptive
Tom Raftican	United Anglers	Consumptive
Marla Daily	Sanctuary Advisory Council	Public at large
Craig Fusaro	Sanctuary Advisory Council	Public at large
Gary Davis	National Park Service	National Park Service
Mark Helvey	National Marine Fisheries Service	NMFS
Deborah McArdle	California Sea Grant	California Sea Grant
Locky Brown		Diving
Robert Fletcher	Sportfishing Assoc. of Ca.	Marinas/Businesses

Science Advisory Panel

Dr. Matthew Cahn, Chair	CSU Channel Islands	Public Policy
Dr. Bruce Kendall	UC Santa Barbara	Population Dynamics
Dr. Steve Schroeter	UC Santa Barbara	Invertebrate Zoology
Dr. Mark Carr	UC Santa Cruz	Icthyology
Dr. Steve Murray	CSU Fullerton	Invertebrate Zoology
Dr. Dave Siegel	UC Santa Barbara	Physical Oceanography
Dr. Robert Warner	UC Santa Barbara	Marine Ecology
Dr. Daniel Reed	UC Santa Barbara	Marine Ecology
Dr. Allan Stewart-Oaten	UC Santa Barbara	Population Dynamics
Dr. Ed Dever	Scripps Institute	Physical Oceanography
Dan Richards	C.I. National Park	Invertebrate Zoology
Dr. Russ Vetter	NMFS	Icthyology
Dr. Steve Gaines	UC Santa Barbara	Invertebrate Zoology
Dr. Joan Roughgarden	Stanford University	Invertebrate Zoology
Dr. Libe Washburn	UC Santa Barbara	Physical Oceanography
Peter Haaker	CADFG	Invertebrate Zoology

Science Panel members were selected using the following criteria: (1) local knowledge, (2) no published "agenda" on reserves, (3) breadth of disciplines, (4) geographic and institutional balance, (5) participation in the NCEAS Reserve Theory Working Group, and (6) time available.

Socioeconomic Panel

Bob Leeworthy	NOAA Coastal Services Center	Commercial Fisheries
Peter Wiley	NOAA Coastal Services Center	Recreational Fisheries
Charles Kolstad	UC Santa Barbara	Charter/Party Boats
Mick Kronman	Fisheries Consultant	User Groups Survey
Dr. Craig Barilotti	Sea Foam Enterprises	Commercial Fisheries
Dr. Carolyn Pomeroy	UC Santa Cruz	Squid Fishery

The Panel collects and synthesizes existing studies, records of catch or harvest, and other public information sources, and develops an economic impact analysis

PUBLIC MEETING SCHEDULE

Channel Islands National Marine Sanctuary Advisory Council Marine Reserves Working Group

March 21, 2001 Marine Reserves Working Group Meeting and Public Forum
12-5:00 p.m. meeting, 6-10 p.m. public forum Fess Parker Doubletree, Santa Barbara CA. To receive feedback and input from the Science and Socioeconomic Panels and general public on four marine reserve concept maps.

April 18, 2001. Marine Reserves Working Group. Veterans Hall, Santa Barbara, CA.
Anticipated meeting topics: Finalize issues related to implementation and assurances. For more information: www.cinms.nos.noaa.gov/nmpreserves or contact Sean Hastings at (805) 884-1472, sean.hastings@noaa.gov.

Marine Reserves Public Forum. Date/time TBA. MRWG Presentation of preferred marine reserve map. For more information:
www.cinms.nos.noaa.gov/nmpreserves or contact Sean Hastings at (805) 884-1472, sean.hastings@noaa.gov.

May 16, 2001. Marine Reserves Working Group. Chase Palm Park Center, 236 E. Cabrillo Blvd, Santa Barbara. Anticipated meeting topics: Finalize consensus recommendation package. For more information:
www.cinms.nos.noaa.gov/nmpreserves or contact Sean Hastings at (805) 884-1472, sean.hastings@noaa.gov.

May, 23, 2001. Sanctuary Advisory Council and Marine Reserves Working Group.
Afternoon + evening. Chase Palm Park Center, 236 E. Cabrillo Blvd, Santa Barbara. Anticipated meeting topics: MRWG presentation of marine reserves consensus recommendation to SAC. For more information:
www.cinms.nos.noaa.gov/sachome1 or contact Mike Murray at (805) 884-1464, michael.murray@noaa.gov.

June 19, 2001. Sanctuary Advisory Council. Time and location details TBA.
Anticipated meeting topics: SAC recommendation to CINMS on MRWG recommendation. For more information: www.cinms.nos.noaa.gov/sachome1 or contact Mike Murray at (805) 884-1464, michael.murray@noaa.gov.

NOTE: Meeting dates, times, locations and agenda items listed below are subject to change. Please check the CINMS web site prior to meetings: WWW.CINMS.NOS.NOAA.GOV.

Receive advance notice of sanctuary-related meetings by signing up on the CINMS mailing list and e-mail list. Three ways to sign up:

(1) fill out the form on this web page: www.rain.org/mailman/listinfo/ci-sanctuary-l.

(2) send an e-mail note to michael.murray@noaa.gov, or

(3) call the Sanctuary office at (805) 966-7107 and leave your e-mail address and/or mailing address.