



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
**NATIONAL OCEAN SERVICE**  
 Office of National Marine Sanctuaries | West Coast Region  
 99 Pacific Street, Bldg 100, Suite F  
 Monterey, CA 93940

Supplemental Informational Report 9  
 (Full Version Electronic Only)

March 26, 2015  
**RECEIVED**

April 2015

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Mike McCorkle, President  
 Southern California Trawlers Association  
 6 Harbor Way, Box #101  
 Santa Barbara, CA 93109

**PFMC**

Dear Mr. McCorkle:

I am writing in response to your letter of February 27, 2015 regarding the nomination for a Chumash Heritage National Marine Sanctuary. NOAA's Office of National Marine Sanctuaries (ONMS) has found that initial nomination incomplete and has provided guidance back to the nominators in the event they wish to revise the nomination and resubmit it in the future. During our review of nominations for national marine sanctuaries, our agency does not seek public comment, but we certainly do not discount any input we receive, and will retain your letter should we receive another nomination for this area.

Your letter describes concerns you have with management of Channel Islands National Marine Sanctuary (CINMS) and Monterey Bay National Marine Sanctuary (MBNMS). The ONMS takes very seriously its responsibility to ensure natural resources within each national marine sanctuary are protected to the benefit of many users, including commercial and recreational fishermen. We have never taken an anti-commercial fishing stance, as your letter alludes to. Moreover since MBNMS was designated in 1992, we have not adopted any sanctuary regulation or modified the management plan to restrict commercial fishing, consistent with various commitments made at the time of designation. We have worked closely with state and/or federal fishery managers, and most importantly with fishermen, when any issues have arisen. I think you know well the example of west coast national marine sanctuaries' collaboration with the state of California and the Pacific Fishery Management Council (PFMC), with the support of fishermen and scientists, for a west coast-wide ban on the harvest of krill, the core base of the food chain for many of California's fisheries.

I would also like to highlight the fantastic collaboration between MBNMS staff and central coast trawl fishermen. Together they designed, agreed on and jointly submitted to the PFMC a proposal to modify essential fish habitat (EFH) for groundfish that includes restoring trawling access to 153 square miles of economically important fishing grounds in that sanctuary, along with adding new protections to fragile groundfish EFH both parties believed were necessary for the long term health of resources.

Olympic Coast  
 National Marine Sanctuary  
 115 E. Railroad Avenue  
 Suite 301  
 Port Angeles, WA 98362

Cordell Bank  
 National Marine Sanctuary  
 P.O. Box 159  
 Orland, CA 94950

Gulf of the Farallones  
 National Marine Sanctuary  
 The Presidio  
 991 Marine Drive  
 San Francisco, CA 94129

Monterey Bay  
 National Marine Sanctuary  
 99 Pacific Street  
 Suite 455A  
 Monterey, CA 93940

Channel Islands  
 National Marine Sanctuary  
 U.C. Santa Barbara  
 Ocean Science Bldg 514, MC 6155  
 Santa Barbara, CA 93106



As further evidence of our region-wide commitment to your industry, national marine sanctuary staff have carried out dozens of initiatives, many still ongoing, that support or promote commercial and recreational fishing in national marine sanctuaries on the west coast. As demonstrated in the attached table, we heartily embrace the mandate in the National Marine Sanctuaries Act “to facilitate, to the extent compatible with the primary objective of resource protection, all public and private uses of the resources of these marine areas” not otherwise prohibited. This mandate includes fishing, and our actions bear that out.

I sincerely appreciate your offer to meet with sanctuary staff to design ways we can enhance our collaborations together, and as you suggested, work towards common conservation objectives. I have asked Chris Mobley, Superintendent of CINMS, to work with you on a time and location where he and leadership from MBNMS can meet with you to share view points and agree on key initiatives we both seek to ensure the resources protected by these national marine sanctuaries and the fisheries that depend on them, are healthy and productive for generations to come.

Sincerely,



William J. Douros  
Regional Director

cc: Senator Dianne Feinstein  
Senator Barbara Boxer  
Representative Lois Capps  
Representative Sam Farr  
State Senator Hannah-Beth Jackson  
State Senator Bill Monning  
Assemblymember Das Williams  
Assemblymember Katcho Achadjian  
Don McIsaac, Executive Director Pacific Fishery Management Council  
Zeke Grader, PCFFA

*14 page listing of activities available electronically, in April 2015 Briefing Book*



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Monterey, CA 93940

March 26, 2015

Chris Voss, President  
Commercial Fishermen of Santa Barbara  
6 Harbor Way #155  
Santa Barbara, CA 93109

Dear Mr. Voss:

I am writing in response to your letter of March 10, 2015 regarding the nomination for a Chumash Heritage National Marine Sanctuary. NOAA's Office of National Marine Sanctuaries (ONMS) has found that initial nomination incomplete and has provided guidance back to the nominators in the event they wish to revise the nomination and resubmit it in the future. During our review of nominations for national marine sanctuaries, our agency does not seek public comment, but we certainly do not discount any input we receive, and will retain your letter should we receive another nomination for this area.

Your letter describes concerns you have with management of Channel Islands National Marine Sanctuary (CINMS) and to a degree Monterey Bay National Marine Sanctuary (MBNMS). I first want to clarify that the ONMS does not have a policy that places resource use last, as stated to in your letter. Rather, while we concentrate on the resource protection mandate directed to the federal government in the National Marine Sanctuaries Act, we also heartily embrace the mandate "to facilitate, to the extent compatible with the primary objective of resource protection, all public and private uses of the resources of these marine areas" not otherwise prohibited. As summarized in the attached table, national marine sanctuary staff on the west coast have carried out dozens of initiatives, many still ongoing, that support or promote commercial and recreational fishing in national marine sanctuaries.

In addition, most of the resource protection programs we conduct benefit commercial fishing. For example, national marine sanctuaries protect habitat, including water quality, that fisheries and the fish populations they target depend on. A specific, local example is MBNMS's work to halt CalTrans' past practice of dumping landslide and other road debris that was burying Big Sur kelp forests and other nearshore habitat. Similarly, west coast national marine sanctuaries worked with the state of California and the Pacific Fishery Management Council, with the support of fishermen and scientists, to enact a west coast-wide ban on the harvest of krill, the core base of the food chain for many of California's fisheries.

I sincerely appreciate your offer to meet with sanctuary staff to design ways we can enhance our collaborations together, and as you suggested, work towards common conservation objectives. I have asked Chris Mobley, Superintendent of CINMS, to work with you on a

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Sincerely,



William J. Douros  
Regional Director

cc: Senator Dianne Feinstein  
Senator Barbara Boxer  
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State Senator Hannah-Beth Jackson  
State Senator Bill Monning  
Assemblymember Das Williams  
Assemblymember Katcho Achadjian  
Don McIsaac, Executive Director Pacific Fishery Management Council  
Zeke Grader, PCFFA

*14 page listing of activities available electronically, in April 2015 Briefing Book*

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
(completed, ongoing and planned)

Olympic Coast National Marine Sanctuary (OCNMS)		
Activity	Description	Status
OCNMS derelict fishing gear project	<p><b>With NOAA funding in 2005, OCNMS identified and removed derelict fishing gear in collaboration with the Makah Tribe.</b></p> <ul style="list-style-type: none"> <li>• Makah helped identify potential hot spots of derelict fishing gear, conducted outreach to their fishermen, and trained Makah divers in removal techniques.</li> <li>• Ten crab pots, three gill nets, and one purse seine net were removed.</li> <li>• Project was conducted over 29 days of field operations including side scan sonar surveys, diver surveys, gear removal, underwater camera work, and mobilization and demobilization.</li> <li>• The project is featured in a segment of "America's Underwater Treasures," Jean Michel Cousteau's 2006 film on the national marine sanctuaries.</li> </ul>	Project completed 2007
Makah fish dock replacement	<p><b>In May 2013, OCNMS provided a letter of support to U.S. Secretary of Transportation in support of funding to replace the decayed commercial fisheries pier in Neah Bay.</b></p> <ul style="list-style-type: none"> <li>• The letter focused on economic necessity of the pier to the tribe, other commercial fishing interests, and oil spill response community.</li> <li>• The grant did not receive funding, however reconstruction of the dock is moving forward with separate funding.</li> </ul>	Dock under construction
Olympic Coast derelict fishing gear projects	<p><b>In 2012 and 2013 OCNMS submitted letters of support to fund projects to remove derelict fishing gear.</b></p> <ul style="list-style-type: none"> <li>• The letters recommended NOAA's Marine Debris Program fund a joint project of Quinalt Nation's Natural Resources Department and The Nature Conservancy.</li> </ul>	Projects did not receive funding
Buoy placement for Noise Reference Monitoring Network	<p><b>In January-March 2014, OCNMS held extensive consultations with various tribal and non-tribal fishermen sectors to identify the location for a buoy installation with low risk of interaction with commercial fisheries.</b></p> <ul style="list-style-type: none"> <li>• Meetings were held with tribal fishery managers, and tribal and non-tribal commercial gear sectors to identify the location for a buoy that will monitor ocean noise for a 2-year deployment period.</li> <li>• Discussions were supported by Oregon Fishermen's Cable Committee and Oregon Sea Grant.</li> <li>• Science needs for siting of the ocean noise monitoring buoy were overlaid with fishing activity maps and industry guidance to select a potentially secure location for this installation.</li> </ul>	Buoy deployment planned for spring 2014, outside OCNMS
OCNMS oceanographic monitoring	<p><b>OCNMS has deployed seasonally since 2010 nearshore moorings to record oceanographic conditions important to commercial fishermen.</b></p> <ul style="list-style-type: none"> <li>• The moorings record temperature profiles, dissolved oxygen (DO), and proxies for ocean acidification.</li> <li>• This information is summarized and made available via OCNMS and NANOOS web sites.</li> <li>• Mooring locations and info on their function is relayed to the fishing community every year.</li> <li>• When low DO levels are detected with the oceanographic sensors, OCNMS maps the extent of the hypoxic area and notifies other resource agencies and fishermen.</li> <li>• Also established immediate protocols for boat-based monitoring of low DO if fish/shellfish die-offs are detected along beaches, and/or reported by fishermen at sea.</li> </ul>	Ongoing monitoring efforts from May to Sept.

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
 (completed, ongoing and planned)

Olympic Coast National Marine Sanctuary (OCNMS) - continued		
Activity	Description	Status
Advisory Council	<p><b>Fishermen have representation on the OCNMS Advisory Council.</b></p> <ul style="list-style-type: none"> <li>• Since the creation of the Olympic Coast Sanctuary Advisory Council in 1999, OCNMS has had a commercial fishing seat.</li> </ul>	Ongoing

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
(completed, ongoing and planned)

<b>Cordell Bank National Marine Sanctuary (CBNMS)</b>		
<b>Activity</b>	<b>Description</b>	<b>Status</b>
Exempted Fisheries Permit for yellowtail rockfish	<p><b>CBNMS collaborated with the San Francisco Community Fishermen’s Association, and supported their proposal to the Pacific Fisheries Management Council (PFMC) for testing hook and line fishing for rockfish under an Exempted Fisheries Permit (EFP).</b></p> <ul style="list-style-type: none"> <li>• The 2012 proposal requested access to fishing grounds within the Rockfish Conservation Areas (RCAs) in GFNMS and CBNMS using vertical hook and line gear, targeting yellowtail rockfish. Yellowtail are a schooling mid-water fish with healthy populations that can be caught in shallower water, while minimizing bycatch of overfished species that occur in deeper water.</li> <li>• The EFP includes a monitoring program (using independent observers) to evaluate the success of the program in its ability to be species-selective.</li> <li>• CBNMS science staff provided information (maps and coordinates) to fishermen on coral cover and bathymetry in the sanctuaries and advocated for areas to be avoided to protect shallow pinnacles while still promoting fishing in the Sanctuary.</li> <li>• CBNMS worked with fishermen and NMFS to develop depth restrictions and gear modifications that would allow access to mid-water fish and not impact the coral/sponge community on the reef top.</li> <li>• CBNMS staff provided maps and coordinates to Vessel Management Service (VMS) and fishermen so that VMS could monitor traffic in the sanctuaries to ensure vessels are staying out of the areas to be avoided.</li> <li>• A year into implementation of the EFP, CBNMS collaborated with fishermen and VMS to modify boundaries to improve access to certain areas in the Sanctuary while still protecting Sanctuary sensitive habitats.</li> <li>• The collaboration is a win-win that allows commercial fishermen access to historical fishing grounds and targets healthy rockfish stocks while protecting sensitive habitat in the sanctuaries. Sanctuaries also promote the mission of the San Francisco fishermen’s co-operative of selling sustainable, locally caught seafood.</li> </ul>	Ongoing
Bodega Bay Fishermen's Festival	<p><b>Since 2002, CBNMS and GFNMS education staff participate in annual Bodega Bay Fishermen's Festival.</b></p> <ul style="list-style-type: none"> <li>• National marine sanctuary’s staff set up a booth with Sanctuary information, including distribution of tidebooks containing education messages about the sanctuaries, and talk with fishermen about current events and issues affecting the local fishing community.</li> <li>• Over 1000 people per year are contacted within the two day event.</li> <li>• In 2014 the Cordell Marine Sanctuary Foundation also assisted with this event.</li> </ul>	Ongoing (occurs every April)
Video panel at Oakland Museum of California	<p><b>CBNMS produced a short documentary film featuring local commercial fisherman that is shown at the Cordell Bank exhibit at the Oakland Museum of California.</b></p> <ul style="list-style-type: none"> <li>• The Cordell Bank exhibit was opened on June 1, 2013. Sanctuary and museum staff worked with local fishermen to highlight their careers and stories about living on the ocean.</li> </ul>	Permanent exhibit
Consultation with fishermen	<p><b>CBNMS consulted with Pacific Coast Federation of Fishermen’s Association (PCFFA)</b></p> <ul style="list-style-type: none"> <li>• Prior to placing an oceanographic buoy offshore in 2007, CBNMS consulted with salmon and crab fishermen from different ports to ensure that buoy placement did not interfere with fishing activities.</li> </ul>	Completed

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
(completed, ongoing and planned)

Cordell Bank National Marine Sanctuary (CBNMS) - continued		
Activity	Description	Status
Recreational anglers survey in RCAs	<p><b>CBNMS partnered with CA Sea Grant, NMFS, and CDFW to sample within the recreational RCAs in CBNMS, GFNMS, and MBNMS in locations that had been closed to all bottom fishing for 10 years.</b></p> <ul style="list-style-type: none"> <li>• Since 2002, fishing for rockfish using bottom contact gear in the RCAs has been prohibited to reduce bycatch of overfished stocks such as yelloweye, canary, cowcod, and dark-blotched rockfish.</li> <li>• Research objectives for the two-year study were to evaluate the impacts of the RCA by 1) comparing for two sampling periods (before and after RCA implementation) the catch rates, species composition, and size of fish caught in recreational RCAs; and 2) sample females to better understand reproduction in rockfish.</li> <li>• CBNMS collaborated with charter boat captains from Half Moon Bay, San Francisco Bay and Bodega Bay, and volunteer anglers to sample rockfish using hook-and-line fishing gear to re-sample sites fished in 1987 to 1998.</li> <li>• Sampling data are currently being analyzed and the final report is expected out in the fall of 2014.</li> <li>• CBNMS co-authored the proposal for the research which was funded by the Collaborative Fisheries Research West, the Ocean Protection Council, and CA Sea Grant.</li> </ul>	Completed (final report due out in Fall 2014)
Lost fishing gear/marine debris recovery	<p><b>In 2008, CBNMS staff removed derelict fishing gear from Cordell Bank using a Remotely Operated Vehicle (ROV).</b></p> <ul style="list-style-type: none"> <li>• The project began in 2002, when derelict fishing gear was observed on 90% of the research transects conducted across the rocky habitats on Cordell Bank. Abandoned long lines, gill nets, crab traps and trawl gear were entangled on the Bank with some extending into the water column.</li> <li>• In 2006 CBNMS staff dedicated a research cruise to test methods of removing derelict fishing gear from the seafloor using the sanctuaries' ROV.</li> <li>• Methods developed by CBNMS were later applied to other locations on the California coast with the help of CBNMS staff and commercial fisherman.</li> </ul>	Completed
Advisory Council	<p><b>Fishermen have representation on the CBNMS Advisory Council.</b></p> <ul style="list-style-type: none"> <li>• The Sanctuary's Advisory Council has had a fisherman representing the commercial and recreational fishing interests since its creation in 2001.</li> </ul>	Ongoing

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
(completed, ongoing and planned)

Gulf of the Farallones National Marine Sanctuary (GFNMS)		
Activity	Description	Status
Fishermen in the Classroom	<p><b>Local fishermen visit classrooms to interpret life at sea, the history of fishing in our local communities, and current fishing activities in the Sanctuary.</b></p> <ul style="list-style-type: none"> <li>Fishermen present their maritime history and culture to classrooms so that students can learn about the marine environment as well as the human dimensions of marine resource use and its management.</li> <li>GFNMS has employed two fishermen with a stipend of \$150 each for the first class and \$100 for each additional class.</li> <li>In 2012 - 2013 Fisherman in the Classroom teamed up with local fishermen to deliver programs to 400 students and their teachers in grades 6-12. The teaching team presented fishing gear, video, stories, recipes and activities to highlight the rich maritime fishing culture of the Central California Coast.</li> </ul>	Ongoing since 2008
Fishermen signage program at Pillar Point Harbor	<p><b>GFNMS partners with Pillar Point Harbor to create a series of signs displayed at the harbor.</b></p> <ul style="list-style-type: none"> <li>The series of signs includes profiles of the fisheries that originate from the harbor and profiles of the fishermen who catch the fish.</li> <li>A local fisherman has been a member of the planning and design team. Fishermen have contributed funds towards the fabrication of the signs.</li> <li>Eleven signs are currently in draft design phase and awaiting funding for fabrication and installation.</li> </ul>	Ongoing; ~15 year project
“Fisheries in the Sanctuary” Exhibit	<p><b>San Francisco Visitor Center hosts a permanent exhibit featuring local fisheries and fishermen working in the GFNMS.</b></p> <ul style="list-style-type: none"> <li>Exhibit includes a display on the locally caught species and gear used to catch them as well as a profile of a local fisherman.</li> </ul>	Permanent exhibit in place
Pacific Coast Federation of Fishermen’s (PCFFA) board meetings	<p><b>Starting in 1998 GFNMS Superintendent attends periodic Pacific Coast Federation of Fishermen’s Associations (PCFFA) Board meetings to provide briefings on current GFNMS activities (e.g., GFNMS programs and marine debris proposals).</b></p> <ul style="list-style-type: none"> <li>Attending these board meetings on PCFFA’s schedule has created a positive dialogue with, and built credibility and trust for GFNMS staff among local fishermen.</li> </ul>	Ongoing; attendance is subject dependent
Bodega Bay Fishermen’s Festival	<p><b>Since 2002, CBNMS and GFNMS education staff participate in annual Bodega Bay Fishermen's festival.</b></p> <ul style="list-style-type: none"> <li>National marine sanctuary’s staff set up a booth with Sanctuary information, including distribution of tidebooks containing education messages about the sanctuaries and talk with fishermen about current events and issues affecting the local fishing community.</li> <li>Over 1000 people per year are contacted within the two day event.</li> </ul>	Ongoing (occurs every April)
Meet the Fishermen program	<p><b>GFNMS led a kayak excursion around Pillar Point Harbor to visit fishing boats.</b></p> <ul style="list-style-type: none"> <li>In 2007 GFNMS staff and members of the public paddled from fishing boat to fishing boat to meet their local fishermen as part of the sanctuary’s annual lecture series and field adventure program.</li> <li>Thirty members of the public participated in the program.</li> <li>Funding allowed, GFNMS would like to resume this program as part of the Half Moon Bay Visitor Center program offerings.</li> </ul>	Completed

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
(completed, ongoing and planned)

Gulf of the Farallones National Marine Sanctuary (GFNMS) - continued		
Activity	Description	Status
Maritime Heritage lecture series: Local Seafood lecture	<p><b>GFNMS presented a lecture series on three eras of fishing and fisheries in the GFNMS region reaching audiences of over 100 attendees.</b></p> <ul style="list-style-type: none"> <li>• In 2008 the GFNMS education team developed a lecture series using stories shared by fishermen from Half Moon Bay.</li> <li>• The event was very popular; future lecture series are being planned as part of the programming for the Half Moon Bay Visitor Center.</li> </ul>	Completed in 2010
San Francisco Fishermen's swap meet	<p><b>In 2005, staff hosted a booth at the annual Fishermen's Swap Meet, a Bay Area gear exchange for commercial fishermen</b></p> <ul style="list-style-type: none"> <li>• An effective event to meet and speak with fishermen regarding sanctuaries.</li> </ul>	Completed
Improving coordination	<p><b>Fishermen request GFNMS office and Visitor Center to be located at Pillar Point Harbor to increase access of fishermen to GFNMS staff.</b></p> <ul style="list-style-type: none"> <li>• GFNMS staff evaluated relocation of the Half Moon Bay office to Pillar Point Harbor to, among many benefits, improve interaction with the fishing community.</li> <li>• The fishing community would like to work with GFNMS to design programs for the Visitor Center including a lecture series on the history of the local fishing community, what's local and sustainable, and how to prepare local and sustainably caught fish.</li> <li>• GFNMS facilitated a Working Group (WG) to develop recommendations for a Half Moon Bay Visitor Center. The WG, of which commercial fishermen were members, recommended "coastal sustainability and communities" as one of the themes for the Half Moon Bay Visitor Center. Fishing is an integral part of that theme. Staff presented the Pillar Point Office and Visitor Center concept to the Pillar Point Harbor Commission on November 4, 2009 and the concept was well received.</li> <li>• The Commercial Fisheries representative on the GFNMS Advisory Council introduced a resolution, which was subsequently unanimously supported, to include fisheries in maritime heritage exhibits and education programs of the proposed Visitor Center.</li> <li>• No action has been taken due to a lack of funds within ONMS budget.</li> </ul>	WG completed; coordination is ongoing; new exhibits will be developed as budget allows
Advisory Council	<p><b>Fishermen have representation on the GFNMS Advisory Council.</b></p> <ul style="list-style-type: none"> <li>• During the creation of the Gulf of the Farallones Advisory Council, a seat for maritime activities/commercial was created to represent commercial fishing interests.</li> </ul>	Ongoing

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
(completed, ongoing and planned)

Monterey Bay National Marine Sanctuary (MBNMS)		
Activity	Description	Status
Collaborative EFH proposal with fishermen & NGOs	<p><b>MBNMS submits a collaborative proposal with trawl fishermen and conservation NGOs to modify groundfish EFH.</b></p> <ul style="list-style-type: none"> <li>• In 2012 MBNMS led creation of the collaborative proposal, which requests additional protections to sensitive habitat, and re-opens fishing in historically trawled fishing grounds in EFH Conservation Areas within the Sanctuary,</li> <li>• MBNMS brought all interests to the table and provided technical services by sharing newly acquired habitat data, analyses, maps with multiple data layers and negotiation skills that were essential for finding common agreement and support for the proposal.</li> <li>• As part of the project, voluntary closures, where bottom trawling is prohibited, are being piloted by the fishermen. These voluntary measures will be evaluated and monitored by MBNMS in collaboration with the fishermen.</li> <li>• Due to the productive and trusted working relationship created during the proposal development, additional topics and projects are under discussion such as modifications to the Rockfish Conservation Areas.</li> <li>• For more information see: <a href="http://montereybay.noaa.gov/resourcepro/ebmi/welcome.html">http://montereybay.noaa.gov/resourcepro/ebmi/welcome.html</a>.</li> </ul>	In review by PFMC
Community supported Fishery	<p><b>CA Sea Grant Fellow hosted by MBNMS developed and implemented a community supported fishery (CSF) for the Monterey Bay area.</b></p> <ul style="list-style-type: none"> <li>• The CSF, created in 2012 and named Local Catch Monterey Bay links weekly shares of high quality, local seafood directly from local fishermen to regional residents.</li> <li>• The web site (<a href="http://www.localcatchmontereybay.com">http://www.localcatchmontereybay.com</a>) includes seafood recipes, profiles of local fishermen, a member forum and more to connect consumers with high quality local food, healthy ecosystems, and local fishermen.</li> </ul>	The CSF is now running as an independent business
Fishermen in the Classroom	<p><b>Local fishermen visit classrooms to interpret life at sea, the history of fishing in our local communities, and current fishing activities in the Sanctuary.</b></p> <ul style="list-style-type: none"> <li>• Fishermen present their maritime history and culture to classrooms so that students can learn about the marine environment as well as the human dimensions of marine resource use and its management.</li> <li>• 12 commercial fishermen (paid \$300/school) have been recruited and trained to present to in K-12 grade classrooms.</li> <li>• Since 2008, 200 presentations have been given reaching over 6,000 students.</li> </ul>	Ongoing since 2008
Voices of the Bay	<p><b>“Voices of the Bay” brought innovative curriculum on fisheries and fishermen’s lives to the classroom.</b></p> <ul style="list-style-type: none"> <li>• Fishermen provided key information during curriculum development at teacher workshops, on <i>R/V Fulmar</i> (the Sanctuary research vessel) cruises, and field trips to local harbors.</li> <li>• The curriculum is composed of three modules 1) Balance in the Bay; 2) From Ocean to Tables; and 3) Capturing the Voices of the Bay.</li> <li>• The curriculum was piloted in five area high schools adjacent to the Sanctuary and since 2009, was implemented by over 50 teachers in California high schools reaching over 1,700 students.</li> </ul>	Project completed in 2013

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
(completed, ongoing and planned)

Monterey Bay National Marine Sanctuary (MBNMS) - continued		
Activity	Description	Status
Collaborative research to remove fishing gear	<p><b>MBNMS conducted ‘Lost Fishing Gear Project’ to remove marine hazards that entangle marine animals.</b></p> <ul style="list-style-type: none"> <li>• The 2009 – 2011 project had two components 1) to reduce benthic and pelagic hazards to marine organisms posed by lost gear, and 2) provide outreach tools to assist in the location of lost gear via reports from divers, researchers, and fishermen.</li> <li>• Partners included UC Davis' SeaDoc Society CDFW; MARE, CSUMB, and CBNMS.</li> <li>• Based on information from NMFS and fishermen, gear was removed using a remotely operated vehicle (ROV) from several high priority sites, such as at Portuguese Ledge State Marine Conservation Area.</li> <li>• Operations were conducted aboard a local fishing vessel F/V DONNA KATHLEEN in 2009 -2010.</li> <li>• Local fishermen heard about the removal efforts through local media, and contacted the F/V DONNA KATHLEEN to request assistance in finding recently lost fish traps.</li> <li>• Approximately 1,000lbs of lost fishing gear was removed from the Sanctuary (for more information see this webpage: <a href="http://montereybay.noaa.gov/resourcepro/resmanissues/lostgear.html">http://montereybay.noaa.gov/resourcepro/resmanissues/lostgear.html</a>)</li> </ul>	Project completed in 2011
Groundfish habitat recovery	<p><b>MBNMS collaborated with The Nature Conservancy to investigate impacts from trawling on soft bottom habitats.</b></p> <ul style="list-style-type: none"> <li>• MBNMS staff participated with The Nature Conservancy’s study off of Morro Bay, by developing outreach materials, reviewing of the research plan, and providing ship time on the R/V FULMAR.</li> <li>• The 2009-2012 research studied the impacts of modified groundfish trawling practices on soft sea-floor habitat and the time it takes for seafloor habitats to recover from trawling.</li> <li>• The project utilized trawl fishing vessels in Morro Bay to conduct the treatments and the R/V FULMAR to study trawl impacts and recovery rates.</li> <li>• The completed report can be found at: <a href="http://montereybay.noaa.gov/research/techreports/trlindholm2013.html">http://montereybay.noaa.gov/research/techreports/trlindholm2013.html</a></li> </ul>	Project completed in 2012
Collaborative fishery project	<p><b>MBNMS collaborated with fishermen to understand more about impacts from the halibut hook and line fishery.</b></p> <ul style="list-style-type: none"> <li>• The study provides a preliminary snapshot characterization of the California halibut fishery currently taking place in northern Monterey Bay with hook and line gear, focusing on costs and revenues to participating fishermen, spatial patterns in fishing effort, and incidental catch (i.e. bycatch).</li> <li>• The report, "A profile of the hook and line fishery for California Halibut in Monterey Bay, California: Learning from fishermen through collaborative research" can be found at <a href="http://montereybay.noaa.gov/research/techreports/trfrey2014.html">http://montereybay.noaa.gov/research/techreports/trfrey2014.html</a></li> </ul>	Study completed in 2011, and report published in 2014
Promotion of Sicilian fishing heritage	<p><b>The film “Il Mar di Joe/Sea of Joe” celebrates Italian fishermen in Monterey</b></p> <ul style="list-style-type: none"> <li>• In 2009, MBNMS provided logistical support, including vessel time, interviews and footage for an Italian film director to create the film, “Il Mar di Joe/Sea of Joe,” about the emigration of Italian fishermen to Monterey, California.</li> <li>• The film was funded and produced by Italian cultural organizations and agencies.</li> <li>• In 2009, MBNMS hosted the premiere screening of the film for the fishing and similar communities in Monterey; nearly 400 people attended that screening.</li> <li>• Among other honors, this film won the 2010 BLUE Film Festival award for Best Feature Monterey Bay.</li> </ul>	Film celebrated in 2010

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
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Monterey Bay National Marine Sanctuary (MBNMS) - continued		
Activity	Description	Status
Invite to ACSF board meetings	<p><b>Alliance of Communities for Sustainable Fisheries (ACSF) invites MBNMS to their board meetings.</b></p> <ul style="list-style-type: none"> <li>In order to improve communication and coordination among ACSF, MBNMS, and the Advisory Council, MBNMS leadership will attend at least one ACSF board meeting, which occur approximately twice a year.</li> <li>In addition, when a fishing concern arises, MBNMS will strive to work with ACSF to address the concern.</li> </ul>	Starting in 2014
Fishermen's Festivals	<p><b>MBNMS co-hosts the Fishermen's Festival with Monterey Harbor.</b></p> <ul style="list-style-type: none"> <li>MBNMS co-hosted with the Monterey Harbor two fishermen's festivals. MBNMS helped coordinate and plan the event.</li> <li>Festivities included fishing boat tours and open house with local fishermen; fishing and ocean exhibits; fresh Monterey Bay seafood with celebrity chefs; special hands-on children's activities (arts and crafts, treasure hunt, fishing demonstrations); abalone farm tours; and history of fishing tours and activities at the Maritime Museum.</li> </ul>	Conducted in 2004/05
Supporting local sustainable fishing initiatives	<p><b>MBNMS sends letters of support for proposals to improve and maintain an economically and ecologically sustainable fishing industry.</b></p> <ul style="list-style-type: none"> <li>MBNMS sent letters of support to OPC's California's Fisheries Challenge endorsing a package of proposals submitted by the City of Monterey (Harbors) and Alliance of Communities for Sustainable Fisheries Communities.</li> <li>The package focused on four proposals: 1) A 'Buy Fresh, Buy Local' seafood campaign; 2) Development of a scientifically credible 'local sustainable fishery' certification; 3) A shared community assessment of the current and historical condition of commercial fishing in the region; and 4) Assistance for funding Exempted Fishing Permits that collect information on potentially less impactful fishing gear.</li> </ul>	The proposals were not funded
Sanctuary Classic	<p><b>MBNMS is a strong supporter and an active partner of the annual 'Sanctuary Classic' (<a href="http://www.sanctuaryclassic.org">www.sanctuaryclassic.org</a>).</b></p> <ul style="list-style-type: none"> <li>The Sanctuary Classic is a recreational fishing and photography tournament that began in 2012. Thousands of recreational fishermen participate in this event from across the country, including the central coast of California.</li> <li>MBNMS supports the tournament by encouraging local recreational fishermen to participate and by helping the Sportfishing Conservancy to build local support.</li> <li>Advisory Council members, including the Recreational Fishing seats, are helping to get the word out with banners and posters to all the fishing harbors and fishermen in MBNMS.</li> <li>Promotion of the Sanctuary Classic creates a positive awareness of MBNMS within the recreational fishing community that the Sanctuary is a place to enjoy fantastic fishing opportunities within healthy waters.</li> <li>Promotion of the Sanctuary Classic event creates positive results for on-the-water business communities through increases in trips aboard sportfishing charter vessels and consumer shopping at local bait-and-tackle shops.</li> </ul>	Ongoing
Poster on Salmonid Habitat	<p><b>MBNMS collaboratively develops and prints a poster on Salmonid life-history</b></p> <ul style="list-style-type: none"> <li>In 2001 MBNMS led this creative outreach effort to raise public and government agencies' awareness of the critical need to better preserve and protect salmonid habitat in central California.</li> <li>The team developed a classroom curriculum and colorful poster on salmonid habitat and how to protect it.</li> <li>Partners for this effort included NMFS, local NGOs, the Santa Cruz Resource Conservation District and Monterey Bay Sanctuary Foundation.</li> </ul>	Completed; a few posters are still available

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
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Monterey Bay National Marine Sanctuary (MBNMS) - continued		
Activity	Description	Status
R/V FULMAR Christening	<p><b>The sanctuary RESEARCH VESSEL FULMAR is christened by local Sicilian matriarch.</b></p> <ul style="list-style-type: none"> <li>• Mrs. Anita Ferrante served as the matriarch for the R/V FULMAR during the vessel’s official christening in 2006.</li> <li>• Mrs. Ferrante as a member of one of the most prominent Sicilian fishing families in Monterey participated and brought her long standing connections to the fishing community to the christening event.</li> </ul>	Completed
Advisory Council	<p><b>Commercial and recreational fishermen have representation on the MBNMS Advisory Council.</b></p> <ul style="list-style-type: none"> <li>• Since its establishment in 1994, the Sanctuary Advisory Council has had commercial and recreational fishermen to represent the fishing interests (a commercial and recreational seat) of the sanctuary.</li> </ul>	Ongoing

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
(completed, ongoing and planned)

Channel Islands National Marine Sanctuary (CINMS)		
Activity	Description	Status
Sanctuary Classic	<p><b>CINMS is a strong supporter and an active partner of the annual ‘Sanctuary Classic’ (<a href="http://www.sanctuaryclassic.org">www.sanctuaryclassic.org</a>).</b></p> <ul style="list-style-type: none"> <li>• The Sanctuary Classic is a recreational fishing and photography tournament that began in 2012. Thousands of recreational fishermen participate in this event from across the country, including the southern coast of California.</li> <li>• CINMS supports the tournament by encouraging local recreational fishermen to participate and by helping the Sportfishing Conservancy to build local support.</li> <li>• The Channel Islands National Marine Sanctuary Advisory Council wrote letters of support and provided helpful feedback to improve the tournament.</li> <li>• Advisory Council feedback also led to a successful 2013 workshop that focused on state-of-the-art gear and procedures for catch-and-release fishing.</li> <li>• Outreach on the tournament helped CINMS come out on top in both years as the sanctuary site that received the highest number of photo entries.</li> <li>• These efforts have helped show the local fishing community, the general public, and the media that CINMS is a place that is open to, supportive, and encouraging of fishing within the Sanctuary.</li> </ul>	Ongoing; working on outreach plans for 2014 tournament.
Santa Barbara Seafood Festival	<p><b>CINMS staff, volunteers, and Advisory Council members participate at the Santa Barbara Seafood Festival.</b></p> <ul style="list-style-type: none"> <li>• Each year since 2002, the CINMS ‘family’ helps local fishermen with this Festival by working alongside local commercial fishermen to help prepare and serve their locally caught lobster, crab and fish.</li> </ul>	Ongoing
Weather/ Informational Kiosks	<p><b>Touch screen kiosks installed at harbors providing weather data to boaters and fishermen.</b></p> <ul style="list-style-type: none"> <li>• The first generation of CINMS/ONMS touch screen kiosks are installed at the fuel docks in Santa Barbara and Channel Islands Harbors, and still provide up to date online weather information for boaters and fishermen to check conditions before they head out to the Channel Islands.</li> <li>• These kiosks were developed with input and appreciation from the fishing community.</li> <li>• The weather kiosks have become part of the ONMS kiosk program, with eight now installed at different locations within Santa Barbara and Ventura counties.</li> <li>• The newest weather kiosks in the CINMS area are at the Channel Islands Boating Center.</li> </ul>	Permanent installation
State Lobster Advisory Committee	<p><b>CINMS supports an ecologically and economically sustainable lobster fishery.</b></p> <ul style="list-style-type: none"> <li>• CINMS represented federal interests on the California Dept. of Fish and Wildlife (CDFW) Lobster Advisory Committee (LAC). CDFW will package the LAC advice and draft a Fishery Management Plan (FMP) for review and adoption by the California Fish and Game Commission in 2014.</li> <li>• CINMS participation with the LAC was aligned with fishing interests, demonstrating that CINMS is not anti-fishing and that CINMS supports sound fishery management and science-based decision-making.</li> </ul>	Almost Complete. WG phase concluded in Dec. 2013;
Harbor signs	<p><b>Harbor signs designed and implemented by CINMS.</b></p> <ul style="list-style-type: none"> <li>• In 2012 CINMS designed and led the implementation of commercial fishing signs that have been installed at Channel Islands Harbor next to the Commercial Fishing Loading Pier at the Marine Emporium Landing.</li> <li>• The signs promote awareness of the importance of commercial fishing to our local economy.</li> </ul>	Permanent installation

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
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Channel Islands National Marine Sanctuary (CINMS) - continued		
Activity	Description	Status
Channel Islands Boating Center exhibit panels	<p><b>Panels of recreational and commercial fishing exhibited at the Channel Island Boating Center.</b></p> <ul style="list-style-type: none"> <li>In 2013 CINMS and ONMS staff designed and oversaw fabrication and installation of the exhibit panels, which are placed within the upstairs classroom areas at the new Channel Islands Boating Center.</li> <li>The panels highlight fishing as a time-honored tradition and the role fishermen have in conserving the Channel Islands.</li> </ul>	Permanent installation
Marine debris removal	<p><b>CINMS removes marine debris for several projects.</b></p> <ul style="list-style-type: none"> <li>Over the past four years, CINMS has worked on marine debris removal projects with the City of Santa Barbara (for periodic harbor clean-ups), the UC Davis' SeaDoc Society, and the Ocean Defenders Alliance (ODA).</li> <li>Through the California Lost Fishing Gear Recovery Project, SeaDoc employs local fishermen to carry out the marine debris location and recovery operations. To date they have removed approximately 20,000 pounds of gear including: 2 seine nets; 2 drag nets; 166 lobster traps; 3 hoop nets; 1 fish stick; 17 crab traps; 1 squid net; 4203 feet of line; and 3610 pounds of miscellaneous gear. Recovered, functional gear is returned to the owners; the program is generally perceived as a win-win by the fishermen.</li> <li>CINMS has provided salvage and recovery permits and support letters for the SeaDoc Society, who has received annual funding for marine debris removal.</li> <li>The success of the California Lost Fishing Gear Recovery Project, particularly with regard to positive involvement by the commercial fishing community, has helped CINMS influence the manner in which the ODA is approaching this same type of work within the Sanctuary.</li> </ul>	Ongoing; CINMS continues to help with harbor seafloor cleanups, and supports requests for external funding
Seafood and Wine Tasting Events	<p><b>CINMS considers a Seafood and Wine Tasting event in 2014.</b></p> <ul style="list-style-type: none"> <li>As a possible new collaborative program with the Ty Warner Sea Center, CINMS is considering a pilot in Fall 2014.</li> <li>The Sea Center would be set up with 8 stations: meet the fisherman, meet the species, learn about the sustainability of the harvest, see the chef's cooking demo, get a glass of wine and talk to the vintner, taste the seafood, learn about our local marine resources, hear about an issue affecting them and what is being done to protect them.</li> </ul>	Possible future program; currently under discussion.
Ocean Acidification	<p><b>CINMS Advisory Council develops a comprehensive report on ocean acidification.</b></p> <ul style="list-style-type: none"> <li>Starting in 2008 the CINMS Advisory Council (AC) heeded warnings by commercial fisherman Bruce Steele (AC member) about the dangers of ocean acidification (OA) as something that could harm marine life and fisheries on large scales. With Steele's close involvement the Advisory Council went on to develop and endorse a comprehensive report on OA and become a leading community group voice on this topic.</li> <li>Bruce Steele has also worked directly with CINMS education staff on OA outreach, participating in volunteer trainings in 2010, and with the Oceans for Life program in 2011 and 2013.</li> </ul>	Ongoing since 2008.

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
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Channel Islands National Marine Sanctuary (CINMS) - continued		
Activity	Description	Status
State Red Abalone Advisory Group (RAAG)	<p><b>CINMS superintendent participates on a red abalone interagency and stakeholder workgroup.</b></p> <ul style="list-style-type: none"> <li>The workgroup developed advice and recommendations for the California Fish and Game Commission (FGC) regarding 1) TAC (total allowable catch) available off San Miguel Island; 2) How to best monitor red abalone population and density/abundance data for viable TAC; and 3) If a fishery were to proceed, how should it be managed (limited entry permit system, tagging system, enforcement).</li> <li>CINMS participation in the RAAG benefited fishermen by helping to ensure a scientific basis for decisions; CINMS also worked directly with affected fishermen prior to recommendations being presented to the FGC in 2010.</li> </ul>	Completed; however, FGC may hold additional discussions in the future.
Socioeconomic monitoring	<p><b>CINMS demonstrates an ongoing commitment to socioeconomic monitoring and study of MPAs within the Sanctuary.</b></p> <ul style="list-style-type: none"> <li>Through 2009, a regional Social Science Coordinator helped CINMS propose, develop and conduct social science surveys, and develop a social science plan for CINMS (see <a href="http://channelislands.noaa.gov/marineres/pdfs/ssp_8-29-07.pdf">http://channelislands.noaa.gov/marineres/pdfs/ssp_8-29-07.pdf</a>). This work earned trust and respect of local fishermen because it was conducted with patience, collaborative project planning, protection of personal information, and the sharing of results with fishermen.</li> <li>Fishermen involved with this work recommend 1) using aggregate data of spatial fishing patterns from private recreational boaters (2006-2008 boater and web surveys) and 2) evaluating changes in charter fishing business patterns before and after marine reserves were designated within CINMS (current work in progress).</li> <li>Also of interest to the fishing industry is the analysis of CINMS aerial data showing changes in boat distribution before and after MPA establishment (presented at 2008 Channel Islands MPA symposium).</li> <li>The fishing community, both recreational and commercial, would like to see additional socio-economic monitoring projects pursued at CINMS, pursuant to the CINMS Social Science Plan.</li> <li>Currently the HQ ONMS Economist is updating data and conducting analyses as is possible.</li> </ul>	Ongoing
Collaborative Marine Research Project	<p><b>The Collaborative Marine Research Project fostered research collaboration among fishermen, scientists, and various agencies to obtain scientific data on issues of interest to fishermen and resource managers.</b></p> <ul style="list-style-type: none"> <li>From 2001 to 2005, fishermen joined CINMS, NMFS and others on a planning committee to help guide the program and select projects for funding. The program was envisioned to be funded by both ONMS and NMFS.</li> <li>CINMS contributed funds in 2001 to help get the initiative off the ground and fund pilot projects conducted in 2001, 2002, 2004, and 2005 to support these additional collaborative research projects: <ul style="list-style-type: none"> <li>Marine Protected Area Benefits for Recreational Fishermen of Calico Bass (Fishing Partners: Joel Greenburg, Dan Fink, Ramona Lisa McFadyen, Tiffany Vague)</li> <li>Variation in Larval Supply Inside and Outside Marine Protected Areas within the Channel Islands National Marine Sanctuary (Fishing Partners: Bruce Steele, Rick Gutierrez and Harry Liquornik)</li> <li>Goleta Pier, A Platform for Education and Conservation.</li> </ul> </li> <li>Despite a lack of funding to continue this program, CINMS has assisted with other collaborative projects arranged at UCSB. For instance, CINMS joined in a collaborative monitoring study of spiny lobster within and outside Channel Islands marine protected areas.</li> </ul>	Halted past Program. May resume when funding allows.

Collaborations with ***Fishermen*** and West Coast National Marine Sanctuaries  
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Channel Islands National Marine Sanctuary (CINMS) - continued		
Fishing working groups of the Sanctuary Advisory Council	<p><b>CINMS Advisory Council solicits advice from a Recreational Fishing Working Group and the Commercial Fishing Working Group.</b></p> <ul style="list-style-type: none"> <li>• Commercial and recreational fishermen represent the fishing interests (a commercial and recreational seat) on the Sanctuary's Advisory Council, since its establishment in 1998.</li> <li>• Both working groups are led by CINMS staff and meet sporadically to bring together their constituents to focus on sanctuary issues.</li> <li>• These meetings provide a good opportunity for sanctuary staff and the fishing community to align interests and to discuss collaborative opportunities to work together on practical projects. It has been a while since these groups last met formally, but CINMS staff have encouraged them to reconvene.</li> <li>• Working group meetings in the past have provided fishermen with opportunities to make presentations on work they are doing to benefit science of the Sanctuary, such as collaborative fish tagging projects, urchin larvae studies, lobster monitoring, and more.</li> </ul>	Ongoing; currently the activity level is low