

FORMALIZATION OF COUNCIL DECISIONS AT THE MARCH COUNCIL MEETING

The *Federal Register* (FR) notice for the March 2013 meeting was filed late, and based on guidance from National Oceanic and Atmospheric Administration General Counsel, all Council decisions at the March 2013 meeting were considered “Preliminary Selections” to be formalized under a specific agenda item at the April, 2013 Council meeting. There were two exceptions: Agenda Items C.6, Adoption of 2013 Management Alternatives for Public Review, and C.7, Salmon Hearings Officers, which were noticed earlier in a separate FR notice associated with finalizing Amendment 17 to the Salmon Fishery Management Plan. Attachment 1 is a list of all Council Motions in need of formalization. Attachment 2 is the March Decision Summary Document, which includes some Council decisions that were not in the form of a motion, such as guidance on future agenda and workload planning.

Council Action:

- 1. Formally confirm Council decisions made as preliminary selections at the March 2013 Council meeting, contained in Attachments 1 and 2.**

Reference Materials:

1. Agenda Item B.1.a, Attachment 1: Draft Voting Log, Pacific Fishery Management Council, 217th Meeting, March 2013.
2. Agenda Item B.1.a, Attachment 2: Decision Summary Document, Pacific Fishery Management Council, March 7-11, 2013.

Agenda Order:

- a. Agenda Item Overview
- b. Reports and Comments of Advisory Bodies and Management Entities
- c. Public Comment
- d. **Council Action:** Approve Preliminary Selections Made at the March 2013 Council Meeting

Don McIsaac

DRAFT VOTING LOG
Pacific Fishery Management Council
217th Meeting
March 2013

Motion 1: Adopt the proposed agenda as our working agenda (Agenda Item A.4.: March 2013 Council Meeting Agenda) for this meeting, with the proviso that all decisions made at this meeting, with the exception of C.6, Adoption of 2013 Management Alternatives for Public Review and C.7, Salmon Hearings Officers, be considered “Preliminary Selections” to be formalized under a specific agenda item at the April 2013 Council Meeting.

Moved by: Dorothy Lowman
Motion 1 carried unanimously.

Seconded by: Gway Kirchner

Motion 2: Council adopt the 2013 stock abundance forecasts, ABCs, and ACLs as shown in Supplemental Preseason Report 1, February 2013, with the addition of a Grays Harbor wild Chinook forecast of 20,636 adults and a Grays Harbor hatchery Chinook forecast of 3,632 adults.

Moved by: Phil Anderson
Motion 2 carried unanimously.

Seconded by: Steve Williams

Motion 3: Council forward approval of the Northwest Sardine Survey 2012-2013 Application (Agenda Item D.1.a, Attachment 2: West Coast Aerial Sardine Survey 2012 Application for Exempted Fishing Permit).

Moved By: Steve Williams

Seconded by: Michele Culver

Amndmnt 1: Council to include Agenda Item D.1.a, Attachment 3: Addendum to West Coast Aerial Sardine Survey 2012 Application for Exempted Fishing Permit) in the motion.

Moved By: Michele Culver
Amendment 1 carried unanimously.

Seconded by: Dale Myer
Motion 3 carried unanimously

Motion 4: Council adopt the final five year Research and Data Needs document (Agenda Item F.1.a, Attachment 1) with changes as indicated in:
Agenda Item F.1.b, Supplemental SSC Report recommending categorization of research needs in the Ecosystem Section based exclusively on the potential benefits;
Agenda Item F.1.b, Supplemental GMT Report recommending additional research and data needs;

Agenda Item F.1.b, Supplemental GAP Report bullets 1 and three recommending changes to the priorities for reading hake survey otoliths, and exploring the use of hook and line surveys to cover un-trawlable areas.

Amendment 1: Include all three bullets from Agenda Item F.1.b, Supplemental GAP Report.

Moved By: Marci Yaremko Seconded by: Buzz Brizendine
Amendment 1 carried unanimously. Motion 4 carried unanimously

Motion 5: Direct the South of Humbug Pacific Halibut Workgroup to analyze the impacts of moving the central Oregon subarea boundary south from Humbug Mt. to the Oregon/California border.

Moved by: Steve Williams Seconded by: Jeff Feldner

Amndmnt 1: Include analysis of the impacts associated with the four bulleted recommendations of the South of Humbug Policy Committee (Agenda Item G.2.a, Attachment 1 page 2.

Moved by: Michele Culver Seconded by: Marci Yaremko

Amdmnt 1a: Change the wording in the first bullet from “targeting” to “retention.”

Moved by: David Hanson Seconded by: Michele Culver

Amendment 1a carried unanimously
Amendment 1 carried unanimously.

Amndmnt 2: Include analysis of opening the South of Humbug subarea from May 1 to June 30 and September 1 to October30 and catch savings resulting from new MPAs’ effective in 2012.

Moved by: Marci Yaremko Seconded by: David Crabbe
Amendment 2 carried unanimously
Motion 5 carried unanimously

Motion 6: Adopt the range of Pacific halibut landing restrictions for the salmon troll fishery as shown in Agenda Item G.3.b, Supplemental SAS Report for public review.

Moved By: Steve Williams Seconded by: Phil Anderson

Amndmnt 1: Add an option 4 using the same language:

Beginning May 1, 2013, license holders may land no more than one Pacific halibut per each ten Chinook, except one Pacific halibut may

be landed without meeting the ratio requirement, and no more than 5 halibut landed per trip.

Moved by: Marci Yaremko

Seconded by: David Crabbe

Amendment 1 failed (Ms. Yaremko, Mr. Crabbe, Mr. Brizendine and Mr. Pollard voted in favor)

Motion 6 carried unanimously

Motion 7: Adopt the range of Pacific halibut landing restrictions for the directed fixed gear sablefish fishery in the area north of Point Chehalis for 2013 and 2014, as represented Agenda Item G.3.b, Supplemental GAP Report.

Moved by: Phil Anderson

Seconded by: Steve Williams

Motion 7 carried unanimously

Motion 8: Adopt season dates for retention of Pacific halibut in the directed fixed gear sablefish fishery in the area north of Point Chehalis for 2014 and of April 1- Oct 31 and a second option of status quo for May 1- October 31.

Moved by: Phil Anderson

Seconded by: Steve Williams

Motion 8 carried unanimously

Motion 9: Starting with Agenda Item H.2.a, Attachment 1 – Figure one with the following changes:

- Immediately below the first box “Data Moderate Assessment Passes STAR and SSC review;” insert an oval designating “the status would be used as estimated” – flow down to stock depletion estimate.
- If stock is above target spawning output change or in the precautionary zone, do either a full or updated data moderate assessment to produce an *update on a five year cycle* (CHECK)
- Change “status used and reported as estimated” to the “status reported as estimated” in cases where the stock is considered above target spawning output or in the precautionary zone.
- If below Minimum Stock Size Threshold (MSST) and there is enough data for a full assessment, then the stock should be a candidate for a full assessment to produce an update on the five year cycle. If there is not enough data for a full assessment, that row will remain as reflected.

Motion includes the adoption of the recommendations in Agenda Item H.2.b, Supplemental SSC Report and Agenda Item H.2.b, Supplemental GMT Report.

Moved by: Michele Culver

Seconded by: Gway Kirchner

Motion 9 carried unanimously

Motion 10: Council adopts the recommendations of the GMT as provided in Agenda Item H.3.b, Supplemental GMT Report to:

- Move the shoreward trawl RCA boundary from 75 to 100 fm between 40°10' and 48°10' N. latitude for Period 2

- Issue the maximum eligible surplus carryover (10%) for all non-whiting species.
- For petrale and sablefish north of 36° N. latitude, issue maximum eligible surplus carryover (10%)

Moved by: Dale Myer

Seconded by: Gway Kirchner

Motion 10 carried (Mr. Lockhart abstained)

Motion 11: The Council will:

- 1) Move forward with the Groundfish Amendment 24 process alternatives and developing the Tier 1 EIS according to the recommendations from the GMT and SSC reports, specifically items 1-4 on page one of the SSC report regarding rebuilding revision rules
- 2) Maintain flexibility to use the current sigma/P* method or something else
- 3) Relative to Amendment 24 alternatives, remove alternative 2, but include the new Amendment 24 – GAP Alternative described on page 3 of Agenda Item H.4.b, Supplemental GAP report
- 4) Move forward with revising COP # 9 and following the new process and timeline for the 2015-2016 SPEX analysis relative to consideration of new vs. routine management measures
- 5) Begin the development of the Tier 1 EIS but delay final adoption until after the 2015-16 specifications and management measures cycle
- 6) Revise the Amendment 24 workgroup composition to include representatives from the SSC, NWFSC, and SWFSC and task them to work with the Project Team to design the Tier 1 EIS and help flesh out the contents relative to the long-term analysis.

Moved by: Michele Culver

Seconded by: Gway Kirchner

Amndmnt 1: Change the language for number five to read:

Begin the development of the Tier 1 EIS, but recognize that adoption may not occur until after the 15/16 spex.

Moved By: Dan Wolford

Seconded by: Jeff Feldner

Amendment 1 carried (Ms. Culver, Mr. Lincoln and Mr. Myer voted no)

Motion 11 carried unanimously

Motion 12: Council will:

1. Take no action on the specific options presented in Agenda Item I.2.b HMSMT Reports 2 and 3 to open select times and areas of the Pacific Leatherback Conservation Area (PLCA).
2. Task the HMSMT with evaluating a potential modification to the PLCA as follows: For only the triangle area identified in Figure 1 of Agenda Item I.2.b

Supplemental HMSAS Report: Access to this portion of the PLCA would be authorized only for vessels with both an onboard observer and VMS, meaning vessels unable to meet requirements to carry observers, or vessels without VMS would be precluded. Analysis should include an expectation of future effort levels in the area under these constraints, and evaluation of both present and past catch and turtle bycatch and interactions rates in this portion of the PLCA. The outer boundary of this triangle shall be defined by a single straight line approximating the 100 mile contour. Provide this analysis to the Council in early 2014.

3. Request that NMFS continue to evaluate the prospect of utilizing recent research advancements in sea turtle movement patterns as presented in the NMFS SWFSC Report (Agenda Item I.1.c, Attachment 1), to develop adaptive management strategies for the PLCA that would allow for adjustments to times and areas to minimize sea turtle interactions. Couple this evaluation with the HMSAS recommendation to also examine sea temperature and other biological and oceanographic data. Task the HMSMT with evaluating tools that may be necessary to ensure compliance with these flexible management measures; including the following:
 - a. Whether the present observer coverage (20 percent goal) is adequate to accurately estimate bycatch in the present-day DGN fishery.
 - b. A VMS requirement in the drift gillnet (DGN) fishery and provide this report to the Council in early 2014.
4. Continue exploring the possibility of managing the DGN fishery with hard caps on incidental sea turtle take and other listed species, modeled after the Hawaii shallow-set longline fishery, and report to the Council on progress in early 2014.
5. Request that NMFS continue evaluating the efficacy of deep-set longline gear, deep set buoy gear, and other alternative gears for effectiveness in harvesting target species and reducing bycatch and interactions with leatherback turtles and marine mammals, toward the goal of developing viable alternatives to DGN gear, and report to the Council on progress in early 2014.

Moved by: Marci Yaremko
Motion 12 carried unanimously

Seconded by: Buzz Brizendine

Motion 13: The Council tasks the HMSMT with updating their prior work and identifying a suite of potential domestic and international management measures suitable for a precautionary management framework for North Pacific albacore that the Council can evaluate and possibly provide to the US delegation prior to the WCPFC's Northern Committee meeting in Sept 2013. Specifically, identify potential measures that should be avoided. Specify which measures are appropriate for a catch-based management framework and those appropriate for an effort-based management framework. In addition, evaluate and comment as appropriate on the Canadian proposal submitted to the IATTC (appended to Agenda Item I.3.b,

Supplemental HMSAS Report). The HMSMT should bring recommendations to the Council at the June 2013 meeting.

Moved by: Steve Williams

Seconded by: Jeff Feldner

Amndmnt 1: “identify a suite of potential international harvest control rules and reference points suitable for the precautionary management framework”.

Moved By: Mark Helvey

Seconded by: David Crabbe

Amendment 1 carried unanimously.

Motion 13 carried unanimously

Motion 14: Adopt recommendations #1 and #3 in Agenda Item I.3.b, Supplemental HMSMT Report 2 - and a modification of #2 as follows: advise the US Delegation to the IATTC and WCPFC to advocate for reduced harvest rates down to 2002-2004 levels for all nations.

Moved by: Dorothy Lowman

Seconded by: Rich Lincoln

Motion 14 carried unanimously

Motion 15: Approve as final Agenda Item F.2.a, Attachment 1: Draft Minutes: 214th Session of the Pacific Fishery Management Council (June 2012); and Agenda Item F.2.a, Attachment 2: Draft Minutes: 215th Session of the Pacific Fishery Management Council (September 2012).

Moved by: Dave Ortmann

Seconded by: Herb Pollard

Motion 15 carried unanimously

Motion 16: Appoint Sgt Dan Chadwick to the Washington Fish and Wildlife seat on the Enforcement Consultants.

Moved by: Phil Anderson

Seconded by: Dale Myer

Motion 16 carried unanimously.

Motion 17: Appoint Mr. Scott Grunder to the Idaho Fish and Game seat on the Habitat Committee.

Moved by: Dave Ortmann

Seconded by: Herb Pollard

Motion 17 carried unanimously

Motion 18: Appoint Mr. Calvin Frank to the Washington Coast tribal fisher position on the Salmon Advisory Subpanel.

Moved by: David Sones

Seconded by: Herb Pollard

Motion 18 carried unanimously

Motion 19: Appoint Mr. Steve Copps to a new NMFS Northwest Region seat on the Groundfish Essential Fish Habitat Review Committee.

Moved by: Frank Lockhart
Motion 19 carried unanimously

Seconded by: Gway Kirchner

Motion 20: Solicit nominations for the vacant California Seat on the Ecosystem Advisory Subpanel, to be filled at the June 2013 Council meeting.

Moved by: Marci Yaremko
Motion 20 carried unanimously

Seconded by: Buzz Brizendine

Motion 21: The Council nominate Ms. Michele Culver as one of the International Pacific Halibut Commission Management Strategy Advisory Body Fishery Manager representatives.

Moved by: Gway Kirchner
Motion 21 carried unanimously

Seconded by: Jeff Feldner

Decision Summary Document Pacific Fishery Management Council

March 7-11, 2013

Council Meeting Decision Summary Documents are highlights of decisions made at Council meetings. For a more detailed account of Council meeting discussions, see the [Council meeting minutes and voting logs](#) or the [Council newsletter](#), which are typically available at some point well after the Council meeting has concluded.

SALMON MANAGEMENT

Review of 2012 Fisheries and Summary of 2013 Stock Abundance Forecasts

The Council adopted the salmon stock abundance forecasts, acceptable biological catch, and annual catch limits for 2013 salmon fisheries as shown in Preseason Report I, as recommended by the Salmon Technical Team and the Scientific and Statistical Committee. Additionally, the Council adopted abundance forecasts for Grays Harbor Chinook of 20,636 natural Chinook and 3,632 hatchery Chinook.

Adoption of 2013 Management Alternatives for Public Review

Three alternatives for 2013 ocean salmon fisheries were adopted for public review. Detailed information on these ocean salmon fisheries will be available on the Council website in the near future. The Council will make a final decision for all ocean salmon fisheries for the May 1, 2013 through April 30, 2014 season at its April 5-11, 2013 meeting in Portland, Oregon.

The Council also recommended that National Marine Fisheries Service (NMFS) take inseason action to delay the scheduled March 15 opening of the Cape Falcon to Oregon/California border commercial fishery until April 1, 2013 and the scheduled April 16, 2013 opening of the Fort Bragg, California commercial fishery until May 1, 2013.

Salmon Hearing Officers

The Council appointed the following officers to the three salmon hearings on 2013 salmon season options. All hearings will begin at 7:00 p.m.

Date Day/Time	Location	Council	NMFS	USCG	Staff	Salmon Team	Meeting Facility Contact
March 25 Monday 7 p.m.	Chateau Westport Beach Room 710 W Hancock Westport, WA 98595	Rich Lincoln	Bob Turner	TBD	Chuck Tracy	Doug Milward	Rhonda 360-268-9101
March 25 Monday 7 p.m.	Red Lion Hotel South Umpqua Room 1313 N Bayshore Dr Coos Bay, OR 97420	Jeff Feldner	Peggy Mundy	TBD	Mike Burner	Craig Foster	Christine Merz or Kristin McDonald 541-269-4099
March 26 Tuesday 7 p.m.	Red Lion Hotel Eureka Humboldt Bay Room 1929 4th St Eureka, CA 95501	David Crabbe	Heidi Taylor	TBD	Mike Burner	Melodie Palmer- Zwahlen	Tami Myer 707-441-4712

HABITAT

Current Habitat Issues

Given the high number of returning Klamath fall-run Chinook salmon and the potential for a low-water year in the Klamath, and the success of supplemental flows provided for the large run that returned in 2012, the Council tasked the Habitat Committee with drafting a letter similar to the letter sent by the Council in 2012, asking the Secretary of the Interior to ensure that water flows are adequate to prevent a potential fish kill in the Klamath River this year.

COASTAL PELAGIC SPECIES MANAGEMENT

Exempted Fishing Permits (EFP) for 2013

The Council recommended that National Marine Fisheries Service approve and issue the EFP proposed by the Northwest Aerial Sardine Survey. Any of the 3,000 metric ton set-aside that is not utilized will be re-allocated to the third period directed fishery.

ADMINISTRATIVE MATTERS

Agenda Approval

The Council approved the March Council Meeting Agenda as proposed, with the provision that all decisions made at this meeting, with the exception of C.6, Adoption of 2013 Management Alternatives for Public Review, and C.7, Salmon Hearings Officers, be considered "Preliminary Selections", to be formalized under a specific agenda item at the April, 2013 Council meeting. The delayed formalization process is a result of an inadvertent delay in the meeting notice filed in the Federal Register prior to the March, 2013 Council meeting.

Research Planning

The Council approved the final five-year Research and Data Needs Document including revisions suggested by the Scientific and Statistical Committee, Groundfish Management Team, and the Groundfish Advisory Subpanel. The Council also recommended a review of Council Operating Procedure 12 regarding the development of future Research and Data Needs Documents with an emphasis on the procedure by which the prioritization of needs are determined.

Membership Appointments and Council Operating Procedures

The Council made the following advisory body appointments:

1. Sgt. Dan Chadwick to the Washington Department of Fish and Wildlife position on the Enforcement Consultants, replacing Deputy Chief Mike Cenci.
2. Mr. Scott Grunder to the Idaho Department of Fish and Game position on the Habitat Committee, replacing Mr. Eric Leitzinger.
3. Mr. Steve Copps to the Groundfish Essential Fish Habitat Review Committee.
4. Mr. Calvin Frank to the Washington Coast tribal fisher vacancy on the Salmon Advisory Subpanel.
5. The Council appointed Ms. Michele Culver to be its nominee for one of the Fishery Manager positions on the International Pacific Halibut Commission Management Strategy Advisory Body.

The Council also directed Council staff to solicit candidates for the vacant California seat on the Ecosystem Advisory Subpanel and declined to appoint further members to the ad hoc Groundfish Amendment 24 Workgroup, or convene it in the immediate future.

Future Council Meeting Agenda Workload Planning

The next meeting of the Pacific Fishery Management Council is scheduled for April 2013 in Portland, Oregon. A proposed agenda can be found on www.pcouncil.org, with a draft detailed agenda to be available later in March 2013.

PACIFIC HALIBUT MANAGEMENT

Pacific Halibut Management South of Humbug Mountain

The Council reviewed the report of the South of Humbug Pacific Halibut Policy Committee (<http://tinyurl.com/asyf2zt>) and tasked the Halibut Workgroup with analyzing a series of recreational management measures designed to reduce the catch of Pacific halibut in the area south of Humbug Mountain. The results of the analysis will inform Council consideration of 2014 Pacific halibut management measures, which will be discussed at the September and November 2013 Council meetings.

Incidental Catch Recommendations for the Salmon Troll and Fixed Gear Sablefish Fisheries

The Council adopted for public review the range of Pacific halibut landing limits in the salmon troll fishery for 2013 and 2014 contained in the Salmon Advisory Subpanel statement (<http://tinyurl.com/bbecvrt>). In 2014, retention would be allowed starting April 1.

For the primary sablefish fishery north of Point Chehalis, the Council adopted for public review the range of Pacific halibut landing limits for 2013 and 2014 contained in the Groundfish Advisory Subpanel statement (<http://tinyurl.com/alkrms7>). If the 2014 Pacific halibut total allowable catch is high enough to provide for an allocation for this fishery, retention would be allowed starting April 1.

GROUNDFISH MANAGEMENT

Status Determination Criteria for Data-Moderate Stocks

The Council selected a process that allows status determination using results of approved data-moderate stock assessments and/or subsequent full assessments for these stocks. The Council also adopted a more rigorous assessment schedule for data-moderate stocks that requires either a full or update assessment within a five-year time frame.

Consideration of Inseason Adjustments, Including Carryover

The Council recommended that the NMFS issue the maximum eligible surplus carryover (up to 10%) for all non-whiting species in the shorebased individual fishing quota (IFQ) fishery. The Council also adopted the recommendation to move the shoreward trawl rockfish conservation area boundary from 75 to 100 fm between 40°10' and 48°10' N. latitude for Period 2.

Amendment 24: Improvements to the Groundfish Management Process

The Council confirmed their intent to streamline the biennial harvest specifications and management measures process including: preparing a long-term analytical framework to comply with National Environmental Policy Act (NEPA) requirements without the need to prepare an EIS for each subsequent biennial cycle; focusing on management measures necessary to achieve conservation purposes during normal biennial cycles; developing a separate process for other management measures; refining how rebuilding plans are modified; amending the groundfish FMP to implement the default harvest control rule concept; and frontloading decision-making during each biennial process. The Council also adopted a preliminary range of alternatives for amending the groundfish FMP to implement the default harvest control rule concept and scheduled several implementation matters for further development at the June, 2013 Council meeting, including revisions to Council COP 9.

HIGHLY MIGRATORY SPECIES MANAGEMENT

Swordfish Management Report on Potential Changes to the Turtle Conservation Area and Take Limits

The Council requested NMFS to:

- Evaluate the application of recent research on leatherback sea turtle habitat utilization to support an adaptive management strategy for changes in the Pacific Leatherback Conservation Area (PLCA) configuration that would minimize sea turtle - fishery interactions
- Continue research on alternative swordfish gears, including deep-set longline and buoy gear

The Council directed the Highly Migratory Species Management Team (HMSMT) to:

- Evaluate a potential modification of the PLCA that would allow limited drift gillnet (DGN) fishing in a triangular area south of Pt. Sur between 12 and 100 miles from shore. Vessels would require 100% observer coverage and vessel monitoring system (VMS). The analysis would include an estimate of future fishing effort in this area under the specified conditions.
- Based on NMFS research on sea turtle habitat utilization, identify management tools consistent with the adaptive management strategy referred to above. This evaluation would include consideration of whether the current 20% observer coverage rate is sufficient and the feasibility of a VMS requirement for the DGN fishery.
- In cooperation with NMFS, continue analysis of the use of sea turtle “hard caps” (interaction limits that when reached, close the fishery) for managing the DGN fishery.

The Council asked NMFS and the HMSMT to report to the Council in early 2014 on progress on these assignments.

Recommendations for International Management Activities

WCPFC NC Precautionary Management Framework for North Pacific Albacore Tuna

The Council directed the HMSMT to identify potential measures that should be implemented pursuant to the precautionary management framework for North Pacific albacore currently under development at the international level. This should include identification of appropriate biological reference point(s) and both effort-based and catch-based control rules, at the international level of applicability as opposed to domestic fishery specificity. This information will be ready for the June Council meeting so the Council can develop recommendations to the US delegation to the Western and Central Pacific Fisheries Commission (WCPFC) Northern Committee meeting in September 2013. The HMSMT will also provide comments on potential complementary initiatives that may be adopted by the Inter-American Tropical Tuna Commission (IATTC) for the Eastern Pacific Ocean (EPO).

Pacific Bluefin Tuna Stock Status

- 1 The Council recommended that NMFS monitor the catch of US commercial fisheries that catch bluefin in order to ensure that the 500 mt commercial catch limit for the US in the EPO is not exceeded
- 2 The Council advised US delegations to the IATTC and WCPFC to advocate for reduce harvest rates down to 2002-04 levels for all nations.
- 3 The Council recommends that provisions for “artisanal” and Korean fisheries in the current WCPFC Pacific bluefin tuna conservation measure be replaced with stronger data reporting requirements and limits on effort and catch.

US-Canada Albacore Treaty

Noting the applicability of points in the Council’s November 20, 2012 letter, the Council informally recommended the State Department and the US delegation proceed with ongoing negotiations focusing on the possibility of a reciprocal fishing regime for 2013 only, and consider options for an orderly phase-out of reciprocal fishing arrangements.

ENFORCEMENT ISSUES

Current Enforcement Issues

The Council reviewed regional enforcement priorities for the NMFS Office of Law Enforcement Northwest and Southwest Divisions and found no points of disagreement.

PFMC

03/13/2013

11:00:34 AM

PROPOSED EXPANSION OF CORDELL BANK AND GULF OF THE FARALLONES
NATIONAL MARINE SANCTUARIES (NMS)

The National Oceanic and Atmospheric Administration (NOAA) is considering an expansion of the boundaries of Cordell Bank National Marine Sanctuary and Gulf of the Farallones National Marine Sanctuary (CBNMS and GFNMS), pursuant to section 304(e) of the National Marine Sanctuaries Act. In December, 2012, the Federal Register published a Notice of Intent to consider expanding sanctuary boundaries, to prepare an Environmental Impact Statement (EIS), and to initiate scoping meetings (Agenda Item B.2.a, Attachment 1). The review will follow National Environmental Policy Act process. The initial scoping period closed March 1, 2013. The CBNMS and GFNMS are anticipating a December, 2013 issuance of a draft EIS, which will also be available for public and Council review.

Representatives of the CBNMS and GFNMS will be present to describe the need and plan for the proposed expansion, and to answer questions from the Council. Although the initial scoping period is closed, NMS representatives have indicated that input from the Council will be considered. NOAA anticipates that the review and potential expansion of existing sanctuary boundaries will be completed by December 2014.

Council Action:

- 1. Consider Plans for Sanctuaries Expansion.**
- 2. Provide Feedback.**

Reference Materials:

1. Agenda Item B.2.a, Attachment 1: *Federal Register* Notice regarding plans for expansion of National Marine Sanctuaries.
2. Agenda Item B.2.d, Public Comment.

Agenda Order:

- a. Agenda Item Overview
 - b. Report of the NMS
 - c. Reports and Comments of Advisory Bodies and Management Entities
 - d. Public Comment
 - e. **Council Action:** Discussion and provide feedback to National Marine Sanctuaries
- Kerry Griffin
Maria Brown and Dan Howard

Copies may also be obtained by sending a request to the Federal Aviation Administration, Office of Rulemaking, ARM-1, 800 Independence Avenue SW., Washington, DC 20591, or by calling (202) 267-9680. Commenters must identify the docket of this notice.

All documents the FAA considered in developing this proposed policy statement, may be accessed from the Internet through the Federal eRulemaking Portal referenced in item (1) above.

Issued in Washington, DC, December 14, 2012.

John M. Allen,

Director, Flight Standards Service.

[FR Doc. 2012-30701 Filed 12-20-12; 8:45 am]

BILLING CODE 4910-13-P

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

15 CFR Part 922

Boundary Expansion of Cordell Bank and Gulf of the Farallones National Marine Sanctuaries; Intent To Prepare Draft Environmental Impact Statement; Scoping Meetings

AGENCY: Office of National Marine Sanctuaries (ONMS), National Ocean Service (NOS), National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (DOC).

ACTION: Notice of Intent to Consider Expanding Sanctuary Boundaries; Intent to Prepare Environmental Impact Statement; Scoping Meetings.

SUMMARY: With this notice, NOAA announces that it is considering whether to expand the boundaries of Cordell Bank and Gulf of the Farallones national marine sanctuaries. NOAA will conduct this review pursuant to section 304(e) of the National Marine Sanctuaries Act, as amended, (NMSA) (16 U.S.C. 1434(e)). As required by the NMSA, the review will include public processes outlined under the National Environmental Policy Act (NEPA; 42 U.S.C. 4321 *et seq.*). NOAA anticipates that the review and potential expansion of existing sanctuary boundaries will be completed within 18 to 24 months.

DATES: Comments must be received by March 1, 2013. Dates for scoping meetings are:

(1) January 24 2013 at the Bodega Bay Grange Hall.

(2) February 12, 2013 at the Gualala Community Center.

(3) February 13, 2013 at the Point Arena High School.

ADDRESSES: You may submit comments on this document, identified by NOAA-NOS-2012-0228, by any of the following methods:

- **Electronic Submission:** Submit all electronic public comments via the Federal e-Rulemaking Portal. Go to www.regulations.gov/

#*!docketDetail*;D=NOAA-NOS-2012-0228, click the "Comment Now!" icon, complete the required fields, and enter or attach your comments.

- **Mail:** Maria Brown, Sanctuary Superintendent, Gulf of the Farallones National Marine Sanctuary, 991 Marine Drive, The Presidio, San Francisco, CA 94129.

Instructions: Comments sent by any other method, to any other address or individual, or received after the end of the comment period, may not be considered by NOAA. All comments received are a part of the public record and will generally be posted for public viewing on www.regulations.gov without change. All personal identifying information (e.g., name, address, etc.), confidential business information, or otherwise sensitive information submitted voluntarily by the sender will be publicly accessible. NOAA will accept anonymous comments (enter "N/A" in the required fields if you wish to remain anonymous). Attachments to electronic comments will be accepted in Microsoft Word, Excel, or Adobe PDF file formats only.

FOR FURTHER INFORMATION CONTACT:

Maria Brown at Maria.Brown@noaa.gov or 415-561-6622; or Dan Howard at Dan.Howard@noaa.gov or 415-663-0314.

SUPPLEMENTARY INFORMATION:

Background Information

Gulf of the Farallones National Marine Sanctuary (GFNMS), designated in 1981, and Cordell Bank National Marine Sanctuary (CBNMS), designated in 1989, are federally protected marine areas along and offshore of California's north-central coast. Centered along an important upwelling area, the sanctuaries are able to support important commercial and recreational fisheries, tourism and recreation industries, and coastal economies and communities. Sanctuary personnel contribute greatly to ocean and coastal management by engaging in public outreach and education to promote stewardship, conducting scientific and applied research initiatives, and developing and supporting programs that strengthen resource protection for the long-term health of the region.

NOAA is considering expansion of GFNMS and CBNMS to an area north of

the existing sanctuaries that extends from Bodega Bay in Sonoma County, to Alder Creek in Mendocino County, and west to the edge of the continental shelf. This area encompasses the Point Arena upwelling center that consistently produces the most intense upwelling in all of North America.

The nutrients brought to the surface during upwelling events at Point Arena are carried south into the sanctuaries by the prevailing California Current; these nutrients fuel an incredibly productive ocean area protected by GFNMS and CBNMS. The sanctuaries are destination feeding areas for endangered blue whales and humpback whales, sharks, salmon, and seabirds like albatrosses and shearwaters that travel tens of thousands of miles. Food that results from the Point Arena upwelling center also supports the largest assemblage of breeding seabirds in the contiguous United States on the Farallon Islands. Living reefs of corals, sponges and a myriad of other invertebrates cover hard bottom areas and these sessile invertebrate communities are washed with food rich water from the north. These invertebrate reefs also provide structure and habitat for many species of juvenile and adult rockfish that prosper in these productive waters. Sanctuary waters also support valuable commercial fisheries for salmon and Dungeness crab. Local ports and coastal communities all derive socioeconomic benefits from these healthy ocean habitats. The rich diversity and health of this thriving marine ecosystem depends on the cold nutrient rich source water originating from the Point Arena upwelling center.

In 2008, the joint management plan review for CBNMS and GFNMS determined that managers in these sanctuaries would facilitate a public process in the next five years to ensure that "*current boundaries were inclusive of the area's natural resource and ecological qualities, including the biogeographic representation of the area.*" Sanctuary advisory councils from both sites have regularly discussed the boundary expansion alternative and have expressed support for boundary expansion when proposed by local congressional members.

In accordance with Section 304(e) of the NMSA, NOAA is now initiating a review of the boundaries for CBNMS and GFNMS to evaluate and assess a proposed expansion of the sanctuaries. As noted above, NOAA is considering extending the boundaries of the two sanctuaries to add the northern area from Bodega Bay, Sonoma County to Alder Creek, Mendocino County, and west to the edge of the continental shelf

(for a map of the area considered and other relevant information, see http://farallones.noaa.gov/manage/northern_area.html). In doing so, NOAA is considering extending, and as necessary amending, the regulations and management plan for GFNMS and CBNMS to this area and is specifically requesting public comment on issues that would arise in doing so. This expansion would protect the upwelling source waters of the sanctuaries as well as nationally-significant seascapes, wildlife, and shipwrecks, and would promote ecotourism and sustainable fishing practices. Although no decision has been made yet regarding this possible action, expanded sanctuary boundaries could protect up to an additional 2,771 square statute miles.

Review Process

The review process for the proposed expansion of the sanctuary boundaries is composed of four stages:

1. Determine the scope of issues to be addressed and identify significant issues related to any proposed expansion;
2. Prepare and release a draft environmental impact statement (DEIS) that identifies boundary expansion alternatives, together with all other documents required by the NMSA including a resource assessment, revised management plans, and a notice of proposed rulemaking (NPRM) to amend the sanctuary regulations;
3. Allow public review and comment on the DEIS, NPRM, and related documents; and
4. Prepare and release a final environmental impact statement and related documents, including a response to public comments, with a final rule if appropriate.

NOAA anticipates that completing the review and process for potentially expanding sanctuary boundaries will take approximately 18–24 months.

At this time, NOAA is soliciting public comments to:

1. Gather information and comments from individuals, organizations, and government agencies on: (a) Whether NOAA should expand GFNMS and CBNMS boundaries; and (b) what, if any, potential effects might result from a boundary expansion; and
2. Help determine the scope of issues, including alternatives to be considered, in the preparation of an environmental impact statement (EIS) pursuant to the National Environmental Policy Act (NEPA) (43 U.S.C. 4321 *et seq.*), if warranted.

Public Scoping Meetings: NOAA intends to conduct a series of public scoping meetings to collect public comments. These meetings will be held

on the following dates and at the following locations and times:

1. Bodega Bay, CA

Date: January 24, 2013.
Location: Bodega Bay Grange Hall.
Address: 1370 Bodega Avenue, Bodega Bay, CA 94923.
Time: 6 p.m.

2. Gualala, CA

Date: February 12, 2013.
Location: Gualala Community Center.
Address: 47950 Center Street, Gualala, CA 95445
Time: 6 p.m.

3. Pt. Arena, CA

Date: February 13, 2013.
Location: Point Arena High School.
Address: 185 Lake Street, Point Arena, CA 95468.
Time: 6 p.m.

Authority: 16 U.S.C. 1431 *et seq.*; 16 U.S.C. 470.

Dated: December 12, 2012.

Daniel J. Basta,

Director for the Office of National Marine Sanctuaries.

[FR Doc. 2012–30581 Filed 12–20–12; 8:45 am]

BILLING CODE 3510-NK-P

DEPARTMENT OF HOMELAND SECURITY

Coast Guard

33 CFR Part 165

[Docket Number USCG–2012–1062]

RIN 1625–AA00

Safety Zone, Atlantic Intracoastal Waterway; Oak Island, NC

AGENCY: Coast Guard, DHS.

ACTION: Notice of Proposed Rulemaking.

SUMMARY: The Coast Guard proposes to extend the temporary safety zone established on the waters of the Atlantic Intracoastal Waterway at Oak Island, North Carolina. The safety zone is necessary to provide for the safety of mariners on navigable waters during maintenance on the NC 133 Fixed Bridge crossing the Atlantic Intracoastal Waterway, mile 311.8, at Oak Island, North Carolina. The safety zone extension will temporarily restrict vessel movement within the designated area starting on February 14, 2013 through June 15, 2013.

DATES: Comments and related material must be received by the Coast Guard on or before January 7, 2013.

ADDRESSES: You may submit comments identified by docket number using any one of the following methods:

(1) *Federal eRulemaking Portal:* <http://www.regulations.gov>.

(2) *Fax:* 202–493–2251.

(3) *Mail or Delivery:* Docket Management Facility (M–30), U.S. Department of Transportation, West Building Ground Floor, Room W12–140, 1200 New Jersey Avenue SE., Washington, DC 20590–0001. Deliveries accepted between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The telephone number is 202–366–9329.

See the “Public Participation and Request for Comments” portion of the **SUPPLEMENTARY INFORMATION** section below for further instructions on submitting comments. To avoid duplication, please use only one of these three methods.

FOR FURTHER INFORMATION CONTACT: If you have questions on this rule, call or email CWO4 Joseph M. Edge, U.S. Coast Guard Sector North Carolina; telephone 252–247–4525, email Joseph.M.Edge@uscg.mil. If you have questions on viewing or submitting material to the docket, call Renee V. Wright, Program Manager, Docket Operations, telephone (202) 366–9826.

SUPPLEMENTARY INFORMATION:

Table of Acronyms

DHS Department of Homeland Security
 FR Federal Register
 NPRM Notice of Proposed Rulemaking

A. Public Participation and Request for Comments

We encourage you to participate in this rulemaking by submitting comments and related materials. All comments received will be posted without change to <http://www.regulations.gov> and will include any personal information you have provided.

1. Submitting Comments

If you submit a comment, please include the docket number for this rulemaking, indicate the specific section of this document to which each comment applies, and provide a reason for each suggestion or recommendation. You may submit your comments and material online at <http://www.regulations.gov>, or by fax, mail, or hand delivery, but please use only one of these means. If you submit a comment online, it will be considered received by the Coast Guard when you successfully transmit the comment. If you fax, hand deliver, or mail your comment, it will be considered as having been received by the Coast Guard when it is received at the Docket Management Facility. We recommend that you include your name and a

Gulf of the Farallones and Cordell Bank National Marine Sanctuaries Proposed Northern Expansion

Agenda Item B.2.b
Supplemental NMS Report
April 2013

January 2013

Background:

In 2001, during joint management plan review scoping meetings, Cordell Bank and Gulf of the Farallones National Marine Sanctuaries received public comment requesting both sanctuaries expand north and west. As a result, the sanctuaries' revised management plans (published in 2008) included a strategy to facilitate a public process over the next five years to ensure that "current boundaries were inclusive of the area's natural resource and ecological qualities, including the biogeographic representation of the area."

Natural and cultural resources:

The proposed sanctuary expansions include the Point Arena "upwelling" site, which provides beneficial nutrients to marine life in the two sanctuaries via the California Current. Food produced by the Point Arena upwelling supports the largest assemblage of breeding seabirds in the contiguous United States, endangered and threatened whales, and living reefs of coral and sponges that cover the rocky seafloor. The area's maritime cultural landscape is historically relevant, and has national significance to fishing and recreation.

How to participate:

Attend one of the public scoping meetings at:

- Bodega Bay Grange Hall, Bodega Bay, Calif., Jan. 24, 6:00 p.m.
- Point Arena High School, Point Arena, Calif., Feb. 12, 6:00 p.m.
- Gualala Community Center, Gualala, Calif., Feb. 13, 6:00 p.m.

Comments on the proposed boundary expansion are due by March 1, 2013 and may be submitted by:

- Federal eRulemaking Portal: <http://www.regulations.gov>. Submit electronic comments via the Federal eRulemaking Portal with Docket Number NOAA-NOS-2012-0228
- Mail: Maria Brown, Sanctuary Superintendent, Gulf of the Farallones National Marine Sanctuary, 991 Marine Drive, The Presidio San Francisco, CA 94129

Gulf of the Farallones National Marine Sanctuary covers nearly 1,300 square miles of coastal and ocean wilderness west of San Francisco. The sanctuary is home to some of the largest concentrations of white sharks and blue whales on Earth., along with one fifth of California's breeding harbor seals and hundreds of thousands of breeding seabirds. Established Jan. 16, 1981.



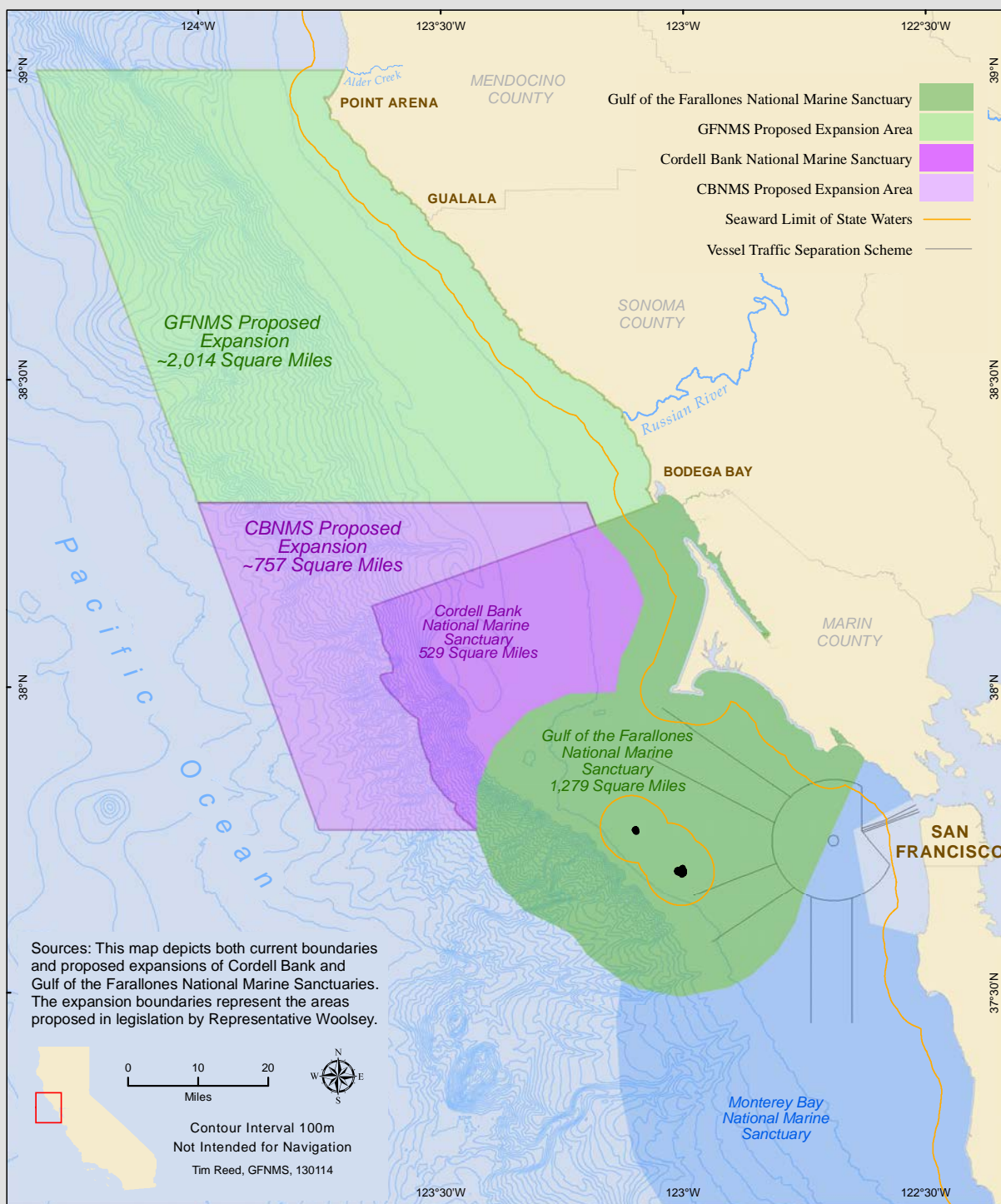
Cordell Bank National Marine Sanctuary gets its name from the underwater mountain that rises to within 115 feet of the ocean's surface off Point Reyes, California. Upwelling of nutrient-rich deep water supports a flourishing ecosystem on and around Cordell Bank, making the 529-square-mile sanctuary a productive feeding destination for diverse marine creatures. Established May 24, 1989.

PROPOSED NORTHERN EXPANSION

Gulf of the Farallones National Marine Sanctuary

Cordell Bank National Marine Sanctuary

January 2013





EDMUND G. BROWN JR., Governor
JOHN LAIRD, Secretary for Natural Resources

JUL 05 2012

June 25, 2012

The Honorable Barbara Boxer
United States Senate
112 Hart Senate Office Building
Washington, DC 20510

The Honorable Lynn Woolsey
U.S. House of Representatives
2263 Rayburn Building
Washington, DC 20515

Dear Senator Boxer and Congresswoman Woolsey:

On behalf of Governor Brown, I write to offer California's support for achieving the goals of the Gulf of the Farallones and Cordell Bank National Marine Sanctuaries Boundary Modification and Protection Act of 2011 (S. 179 and H.R. 192). This bill would expand the existing marine sanctuaries by over 2,000 square nautical miles.

Both the Gulf of the Farallones National Marine Sanctuary (GFNMS) and Cordell Bank National Marine Sanctuary (CBNMS) were established in the 1980s to protect and preserve California's extraordinary marine environment and wildlife. Centered along an important upwelling area, the sanctuaries are able to support important commercial and recreational fisheries, tourism and recreation industries, and coastal economies and communities.

The sanctuaries contribute greatly to ocean and coastal management by engaging in public outreach and education to promote stewardship, conducting scientific and applied research initiatives, and developing and supporting programs that strengthen resource protection for the long-term health of the region. Improving management to strengthen the protections of these critical ecosystems within the Sanctuaries will help to ensure a clean and safe environment for healthy fish stocks to thrive, keeping fisherman and tour operators on the water.

The state of California is proud of its strong partnership with the NOAA Office of National Marine Sanctuaries in managing the unique and special areas known as National Marine Sanctuaries off the coast of California. The NOAA Office of National Marine Sanctuaries has been invaluable in reaching out and educating our coastal communities and visitors about the importance of a healthy ocean in our lives. By promoting sustainable use and stewardship, minimizing user conflicts, and connecting the public to their ocean resources, the sanctuaries hope to bolster vibrant, prosperous, and well-informed local communities.

1416 Ninth Street, Suite 1311, Sacramento, CA 95814 Ph. 916.653.5656 Fax 916.653.8102 <http://resources.ca.gov>

Baldwin Hills Conservancy • California Coastal Commission • California Coastal Conservancy • California Conservation Corps • California Tahoe Conservancy
Coachella Valley Mountains Conservancy • Colorado River Board of California • Delta Protection Commission • Delta Stewardship Council • Department of Boating & Waterways • Department of Conservation
Department of Fish & Game • Department of Forestry & Fire Protection • Department of Parks & Recreation • Department of Resources Recycling and Recovery • Department of Water Resources
Energy Resources Conservation & Development Commission • Native American Heritage Commission • Sacramento-San Joaquin Delta Conservancy • San Diego River Conservancy
San Francisco Bay Conservation & Development Commission • San Gabriel & Lower Los Angeles Rivers & Mountains Conservancy • San Joaquin River Conservancy
Santa Monica Mountains Conservancy • Sierra Nevada Conservancy • State Lands Commission • Wildlife Conservation Board



June 25, 2012

Page 2

I am proud to join others in supporting this proposed legislation, including members of Congress and the California State Legislature; the California Coastal Commission, the California State Lands Commission; many local governments and elected officials; leadership from fishing interests; local chambers of commerce and business groups; national and local environmental groups; and prominent marine scientists.

Thank you for introducing the Gulf of the Farallones and Cordell Bank National Marine Sanctuaries Boundary Modification and Protection Act of 2011 and for your continued leadership on critical ocean issues.

Sincerely,

A handwritten signature in black ink, appearing to read "John Laird", written over a circular stamp or seal.

John Laird
Secretary for Natural Resources

National Marine Sanctuaries



Agenda Item B.2.b
Supplemental NMS PowerPoint
April 2013

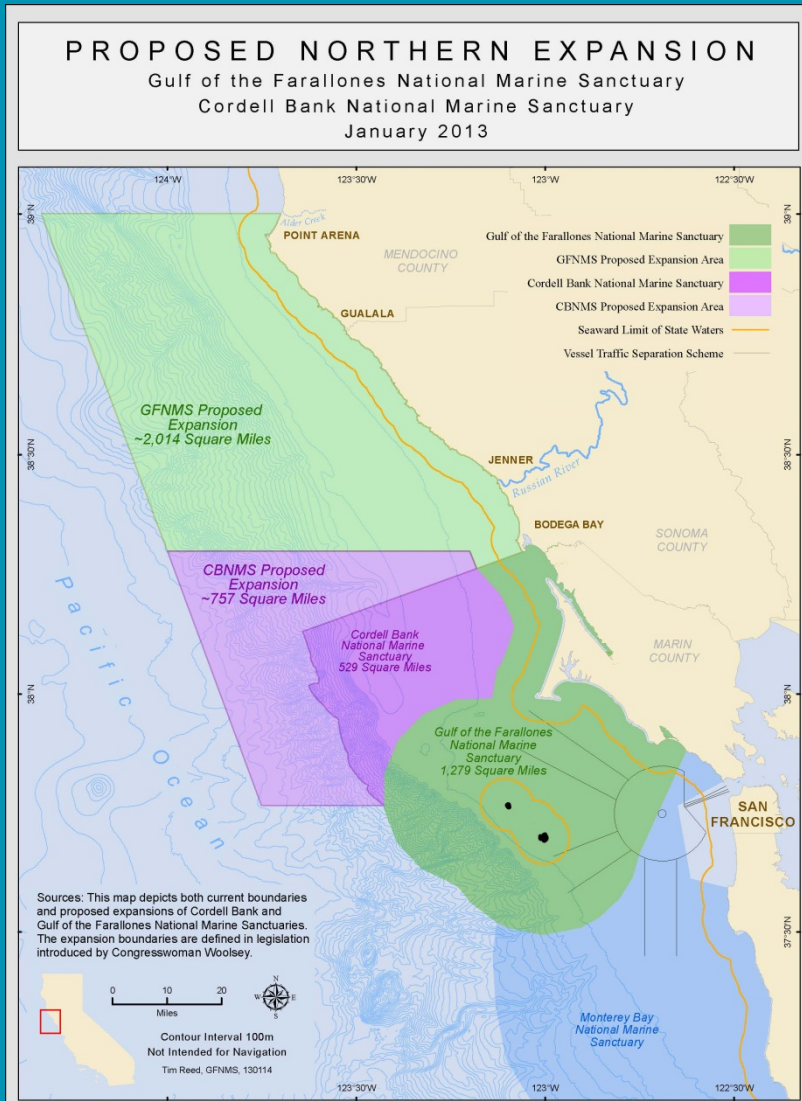
Maria Brown
Sanctuary Superintendent
Gulf of the Farallones
National Marine Sanctuary
(GFNMS)

Dan Howard
Sanctuary Superintendent
Cordell Bank
National Marine Sanctuary
(CBNMS)

April 6, 2013
Portland, OR
PFMC meeting



Proposal for Expansion



NOAA is considering extending the boundaries of the two sanctuaries from Bodega Bay (Sonoma County) to Alder Creek (Mendocino County) and beyond the edge of the continental shelf.

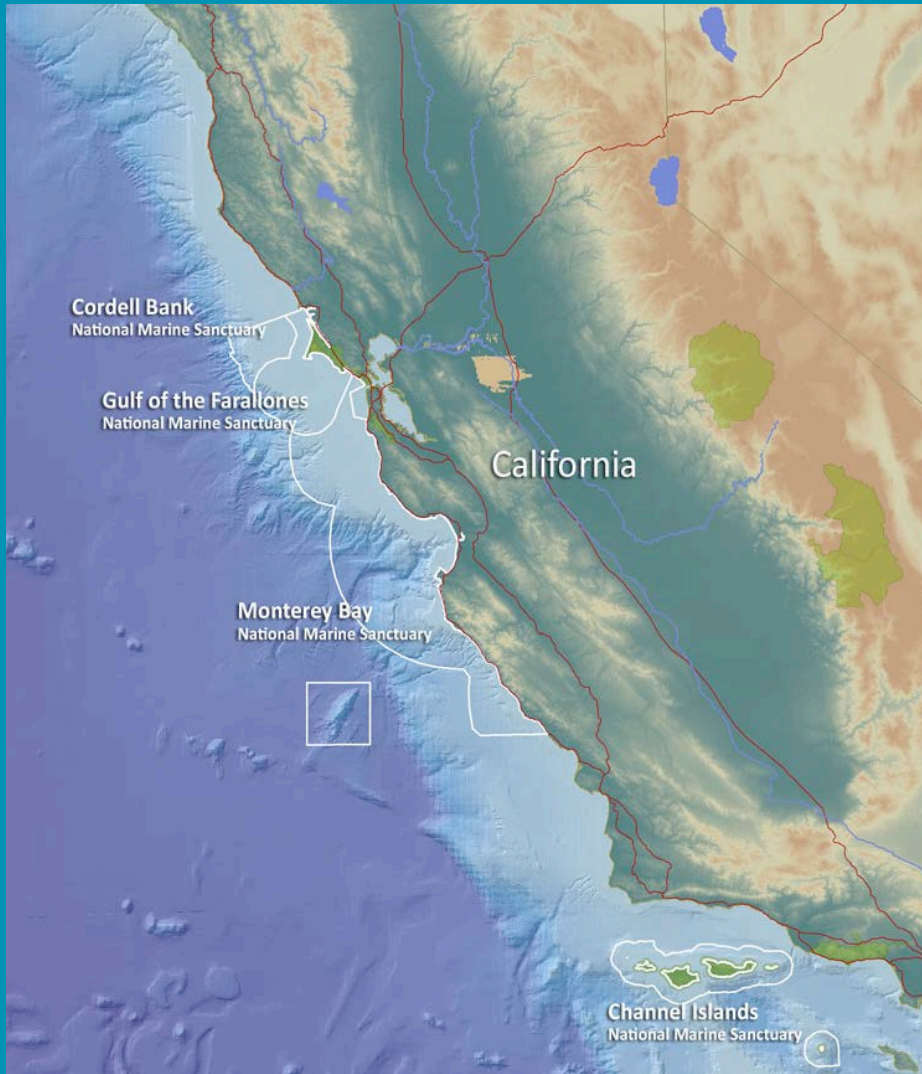
NOAA proposes to extend existing sanctuary regulations and non-regulatory programs from each sanctuary into the proposed expansion area.

National Marine Sanctuaries Mission



“The mission of NOAA's National Marine Sanctuaries is to serve as the trustee for the nation's system of marine protected areas, to conserve, protect, and enhance their biodiversity, ecological integrity and cultural legacy.”

Existing National Marine Sanctuaries in California



Cordell Bank

Established 1989

529 sq miles

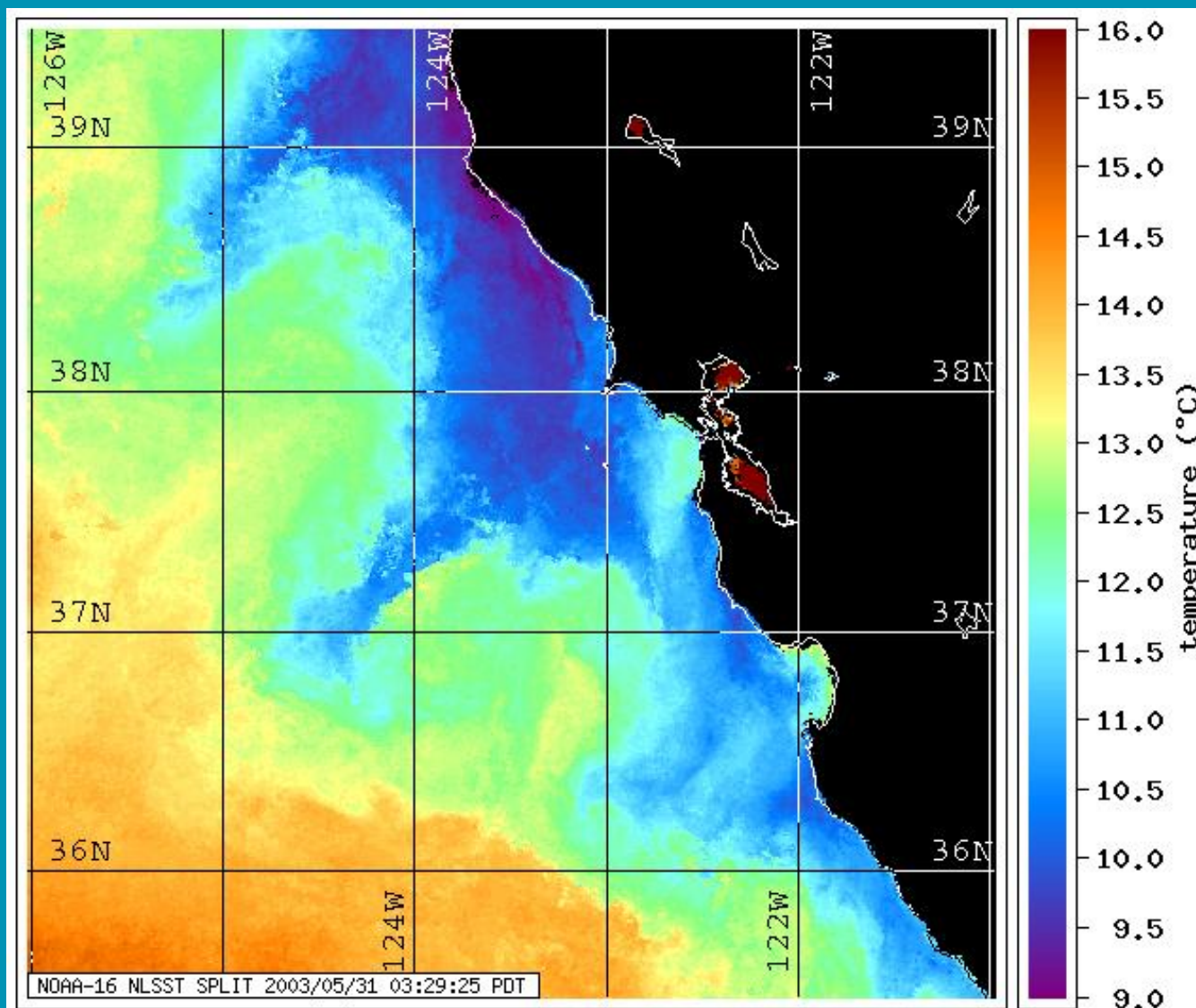
Gulf of the Farallones

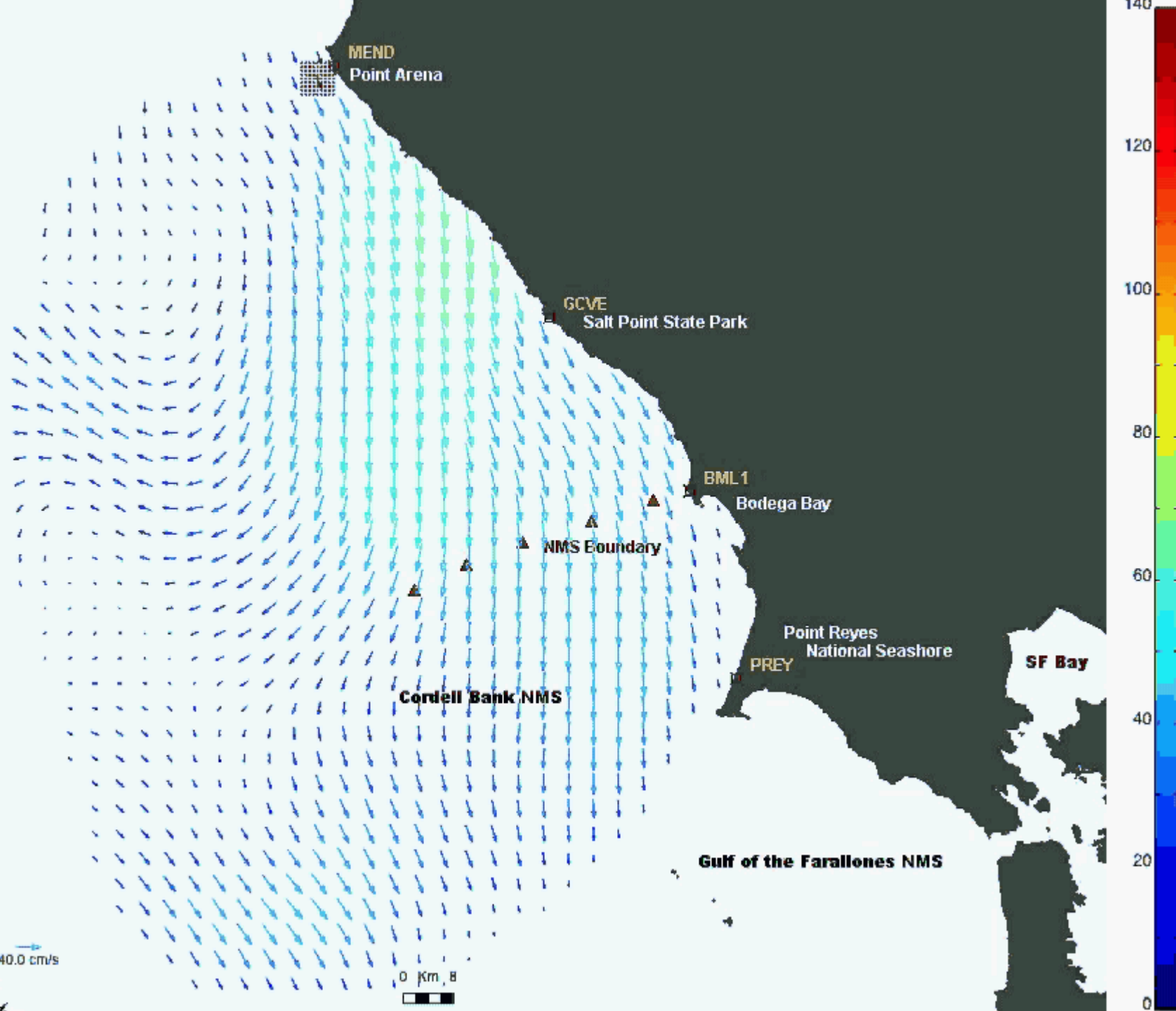
Established 1981

1,279 sq miles



Critical Ecosystem Connectivity





Goals for Expansion

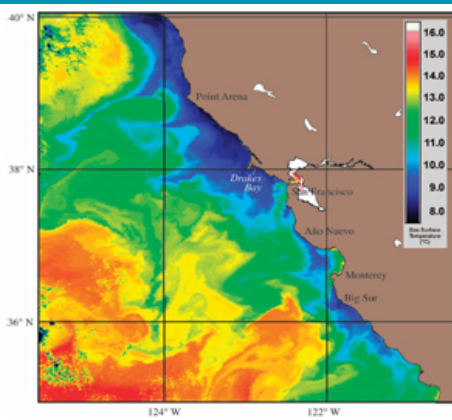


Incorporate the relevant ecosystem components for Cordell Bank and Gulf of the Farallones national marine sanctuaries

Augment protection of resources in these areas from human threats.

Provide mechanisms to conduct and coordinate research and monitoring in the new areas.

Expand education, outreach and volunteer programs to promote stewardship.





How We Got Here



In 2008, the joint management plan for CBNMS and GFNMS recommended that sanctuary managers facilitate a public process in the next five years to ensure that “current boundaries were inclusive of the area’s natural resource and ecological qualities.”

Since 2003 Sanctuary Advisory Councils from both sites have regularly discussed the boundary expansion alternative and have expressed support for boundary expansion when proposed by local congressional members (Representative Lynn Woolsey and Senator Barbara Boxer have introduced legislation since 2004 to expand the sanctuaries’ boundaries).



Common Prohibited Activities



Neither sanctuary regulates fishing

Oil and gas exploration and development

Discharges

Seabed alteration or construction

Placing or abandoning structures

Taking/possessing any marine mammal, sea turtle, or seabird

Moving, removing, or injuring historical resources



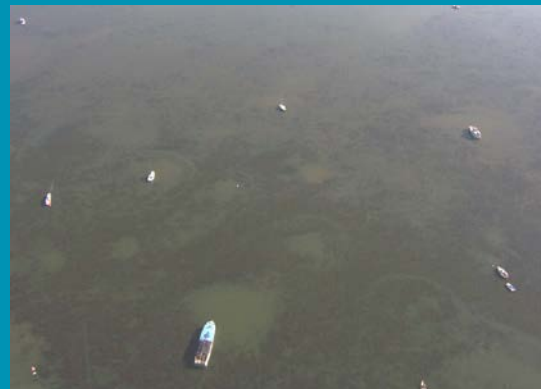
Shane Anderson

Extent of Sanctuary Regulations



Sanctuary prohibitions can apply throughout the entire boundary. For example, oil and gas exploration and development is prohibited throughout both CBNMS and GFNMS.

Sanctuary prohibitions may apply in specific areas where specific resources warrant additional protections. For example, Tomales Bay has “no-anchor zones” in eel grass beds. Anchoring is allowed outside those areas throughout GFNMS.





Non-Regulatory Sanctuary Program Areas



Research-Collects information on the health of wildlife and habitats

Education-Provides experiences to connect people to the ocean

Sanctuary Advisory Council-Advises the Sanctuary on management priorities

Volunteer Programs- Involves the public in protecting the sanctuary and educating others about its wildlife and habitats

Resource Protection- Ensures sanctuary resources are protected against pollution, harm to wildlife, and destruction of habitat while allowing people to enjoy the sanctuary





NOAA's Proposed Timeline For this Process



1. Scoping

NOAA solicits comments on the proposal; NOAA reviews the comments to determine the scope of the issue and to identify issues to be addressed during the environmental analysis.

March, 2013

2. Draft Proposal

Release Draft EIS, revised site management plans and proposed regulations .

Winter, 2014

3. Public Comment

Public review and comment on Draft EIS, proposed rulemaking, and related documents

Winter/Spring,
2014

4. Publish Decision

NOAA prepares and releases a Final EIS and related documents, including a response to public comments, with a final rule if appropriate.

Summer, 2014



Range of Comments

- 300 on-line comment letters and hundreds of oral comments
- Considerable public support for expansion and various regulatory and non-regulatory Sanctuary programs
- Strong support for ban on oil and gas development
- Support for sanctuaries not regulating fishing activities
- Issues raised by public/agencies warranting further review:
 - Location of boundaries
 - MPWC use
 - Protecting wildlife from low flying aircraft
 - Alternative energy
 - Gathering of sea salt



Contact Information



Maria Brown: maria.brown@noaa.gov

NOAA GFNMS

991 Marine Drive, The Presidio

San Francisco, CA 94129

Dan Howard: dan.howard@noaa.gov dan.howard@noaa.gov

NOAA CBNMS

P.O.Box 159

Olema, CA 94950

http://farallones.noaa.gov/manage/northern_area.html

Why a Shorebased Whiting Risk Pool?

Feeling Lucky?



On Average...

In an average year, there is plenty of bycatch to cover the fleet...

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Species	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
Canary	-	-	0.01	0	0.01	0.02	0.02	0.03	0.03	0.06	0.06	0.01
Dark blotch	-	-	0	0.01	0.01	0.05	0.02	0.01	0.02	0.02	0.07	0.01
POP	-	-	0	0.01	0.01	0.01	0	0.32	0	0.12	0.1	0.00
Widow	0.89	0.58	0.12	0.15	0.32	0.77	0.51	1.22	1.98	2.68	0.88	1.33
Yelloweye	-	-	0	0	0.0001	0.0001	0.0006	0.0005	0	0	0	0

...which is fine if you are an average boat, on an average day, in an average year...

When it's just not an average day...

*What Am I Worth
Today?*



- Jan. 1st - \$0.50/lb?

- Dec 30th – zip?

- The day you are in deficit and you still have 4 million lbs of whiting QP in your vessel account?

Priceless.

An Overview of the Shorebased Whiting Coop

- This Risk Pool is for Shorebased whiting fishermen who:
 - own trawl vessels with NMFS vessel accounts
 - have whiting as their primary IFQ fishery
 - are willing to commit that all their whiting harvest will be done under coop rules

What about groundfish targets?

- Members are free to fish other target species outside the coop.
- Whiting QS holders who don't plan to fish whiting themselves are welcome to join the coop – or – they can lease whiting QP to a member without joining.

What species does the risk pool manage?

- “Constraining Species”
 - Canary rockfish
 - Dark Blotched rockfish
 - POP
 - Widow rockfish
 - Yelloweye rockfish
- Chinook is a “Species of Concern”
 - The Board has the authority to establish fishing behaviour rules to avoid Chinook bycatch

Some Key “Definitions”

- ‘Commit’ vs ‘Contribute’
 - Minimum Pool Commitment – bycatch QP subject to coop risk pool rules.
 - Minimum Reserve Contribution – bycatch QP placed in the coop’s account (the insurance premium)

How much does a member need to commit ?

- The “Minimum Pool Commitment” is made of two parts
 - The bycatch QP that was allocated to a permit based on its whiting history – the “pro-rata share”

(Members can add 25% more whiting to cover the processor quota match without contributing more bycatch QP)
 - The proportional amount of bycatch QP associated with the equal sharing of buyback history

How is the Minimum Pool Commitment Calculated?

Best Available SS Information	CANARY	DKB	POP	WIDOW	Y-EYE
Pro-rata Share rates to whiting QP using the 2012 Whiting TAC	0.00012	0.00021	0.00025	0.00212	0
Typical Lbs of Buyback/Permit	125	1730	1070	1630	*

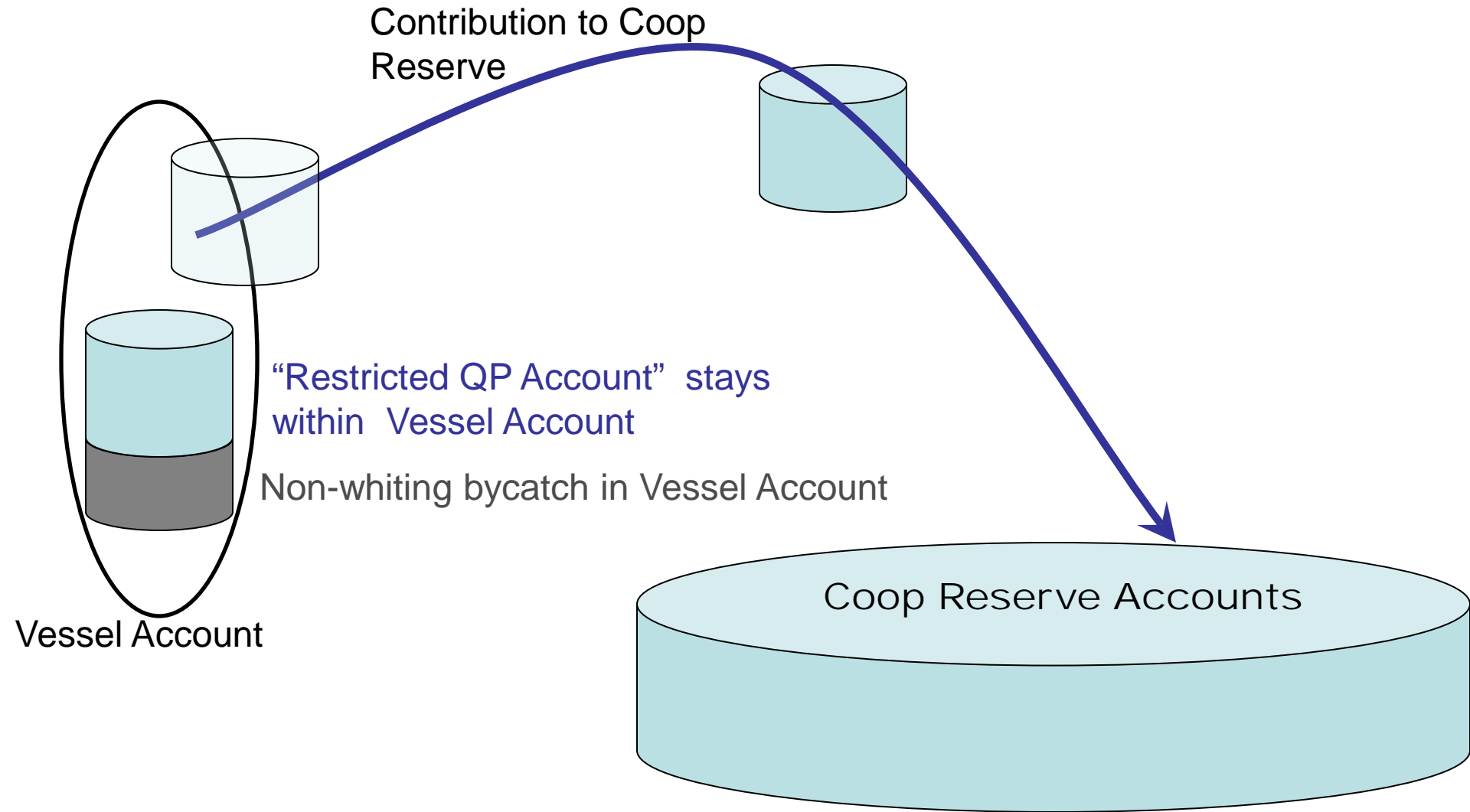
Here is an example (based on 2012 TACs):

Example of a Minimum Commitment Calculation for a Permit/Vessel with 5,000,000 lbs of Whiting QP					
Pro-rata rate component (lbs)	590	1025	1240	10,600	0
Typical Buyback component lbs)	150	1775	1090	1880	8
Combined total	740	2800	1330	12,480	8

Where does the Minimum Pool Commitment go?

- 50% stays with the member as a virtual sub-component of the member's NMFS Vessel Account - which we call the member's "Restricted QP Account" (the "deductible" or "co-pay")
- The "Minimum Reserve Contribution" of 50% is transferred to the coop's account – which we call the "Coop Reserve Account" (the "premium")

Where does the “premium” go?



More “terms”

- “Initial Reserve Ratio” – all the bycatch of each species committed to the coop divided by all the whiting to be harvested coop members

(This is the average rate that the fleet must meet or beat to harvest all its whiting.)

- “Current Reserve Ratio” – the balance of all the unused bycatch of each species committed to the coop divided by all the un-harvested whiting at any point in time.

How are the “Rates” used?

- The Initial Reserve Ratio is used to determine how a member may access the coop’s Reserve Account.
- The Current Reserve Ratio measures how much better or worse the fleet’s “burn rate” is than the Initial Base Rate.

The Current Reserve Ratio status is the ‘red light/green light’ on whether to shift to stricter rules.

Data Sharing

- Members waive confidentiality on access to relevant NMFS & VMS data
- Coop Monitoring Agent uses fish-ticket and observer data to track bycatch rates and identify hotspots
- Coop Manager tracks bycatch account balances
- VMS data is used to enforce closures and identify bycatch “hotspots”

What are the types of Fishing Rules?

- Stand Downs for fishing at rates above the Initial Base Rate
- Access to the Coop Reserve Account when a member has used the bycatch amounts in their Restricted QP Account (receiving “Coverage”)
- Modified rules apply when the Current Reserve Ratio is in the “red zone”.
- Time and Area closures as determined by the board

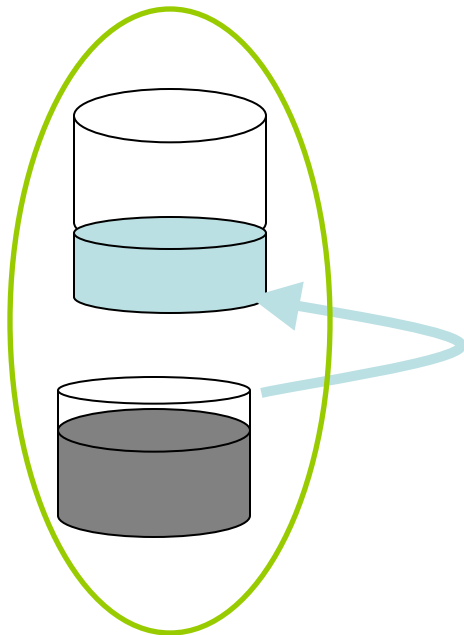
Checkpoints

There are 'red light /green light' tests that apply to members as they use up bycatch –

- The 1st checkpoint is when a member uses half their “deductible”
- There is a 2nd checkpoint when a member has used all their “deductible”
- A member who exceeds 120% of the Initial Reserve Ratio at a check point is subject to a 7 day Stand Down before they can go back fishing.

The “get out of jail free card”

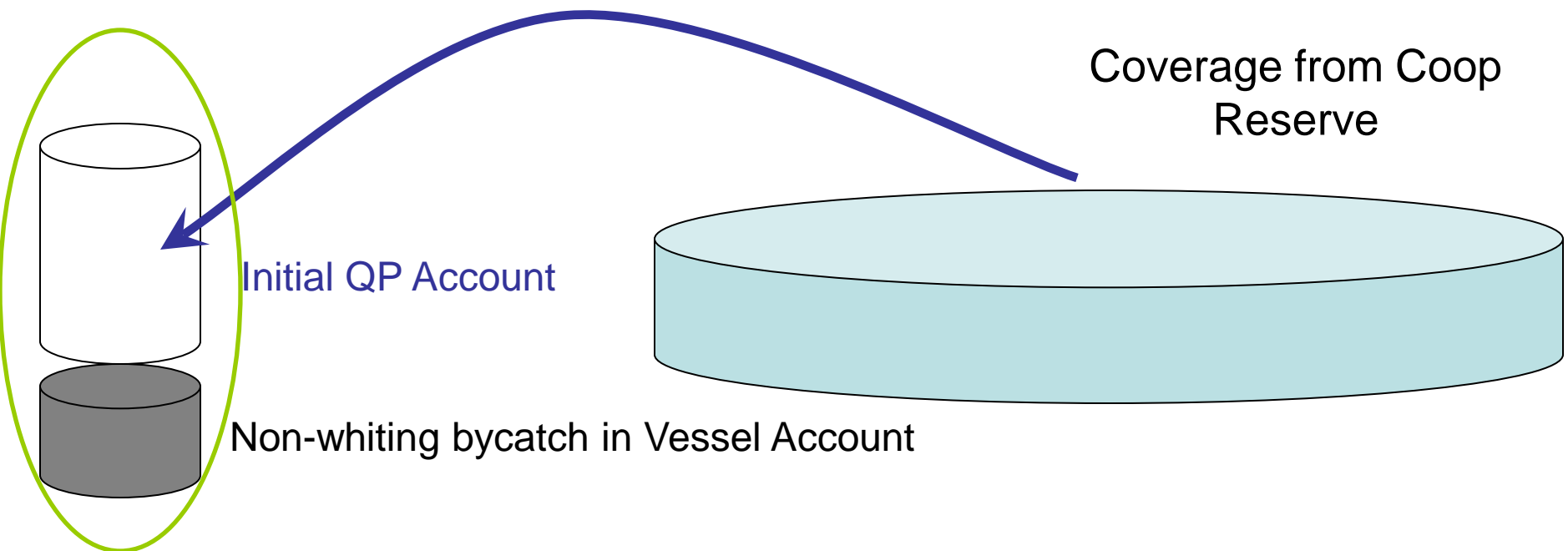
- At any time, a member can add bycatch amounts above their minimum commitment to their Restricted QP Account



- The member's rate relative to the “red light /green light” checkpoint tests will be re-calculated using the added bycatch.
- By contributing the extra bycatch QP a member can avoid a Stand Down.

When can a member draw from the Coop Reserve Account?

After a member has used all the bycatch of a species committed to their Restricted QP Account



Are there a limits to how much a member can draw from the Coop Reserve Account?

- Yes.
 - For Yelloweye the cap is 20% of the Reserve pool.
 - For other bycatch species the cap is 5 times the Contribution to the Reserve Account, not to exceed 20% of the Reserves.
 - The Board may raise the caps in-season based on the solvency of the Reserves to allow members more opportunity to complete their whiting fishery.

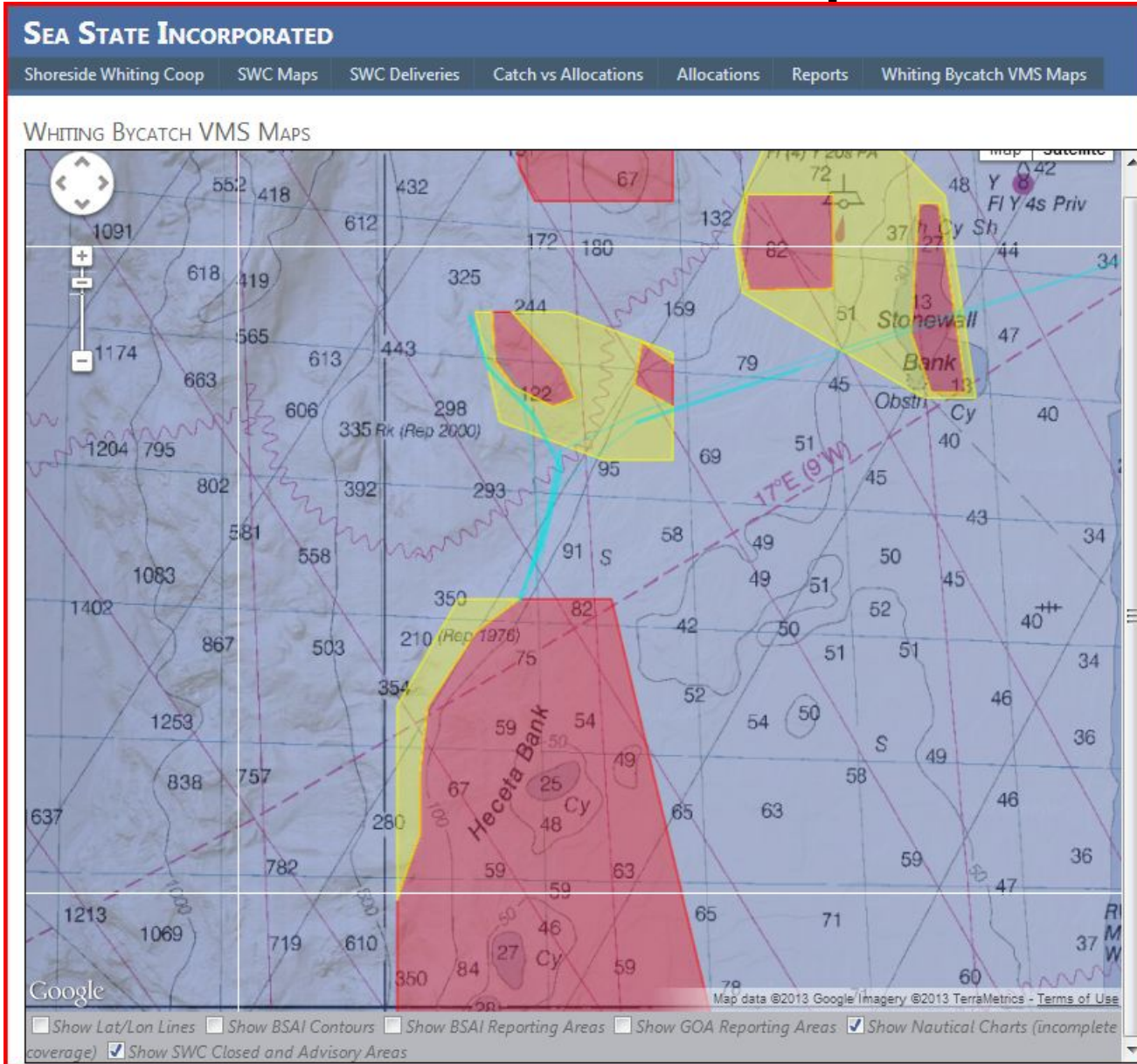
What's different when the Current Reserve Ratio is in the 'red zone'

- Being in the “red zone” means the coop is burning up bycatch at a rate that won't allow all the whiting to be harvested
- Vessels who have exceeded allowable rates are not eligible to resume fishing after being Covered until the Current Reserve Ratio is back in the “green zone”

What happens if there is un-used bycatch in the Coop Account at the end of the whiting fishery?

- When the board determines the fishery is substantially done, the un-used bycatch in the Coop Reserve Account goes back to the members pro-rata to their contribution minus their usage.
- Members who used more bycatch than they contributed will pay an amount based on its ex-vessel value, to be distributed pro-rata to those who used less than they contributed.

Web based hotspot tool



Sea State provides VMS track of high bycatch tows overlaid on nautical charts showing the coop's closed areas and advisory areas.

Alerts are emailed to members when a vessel has a high bycatch tow with a link to the map of the event.

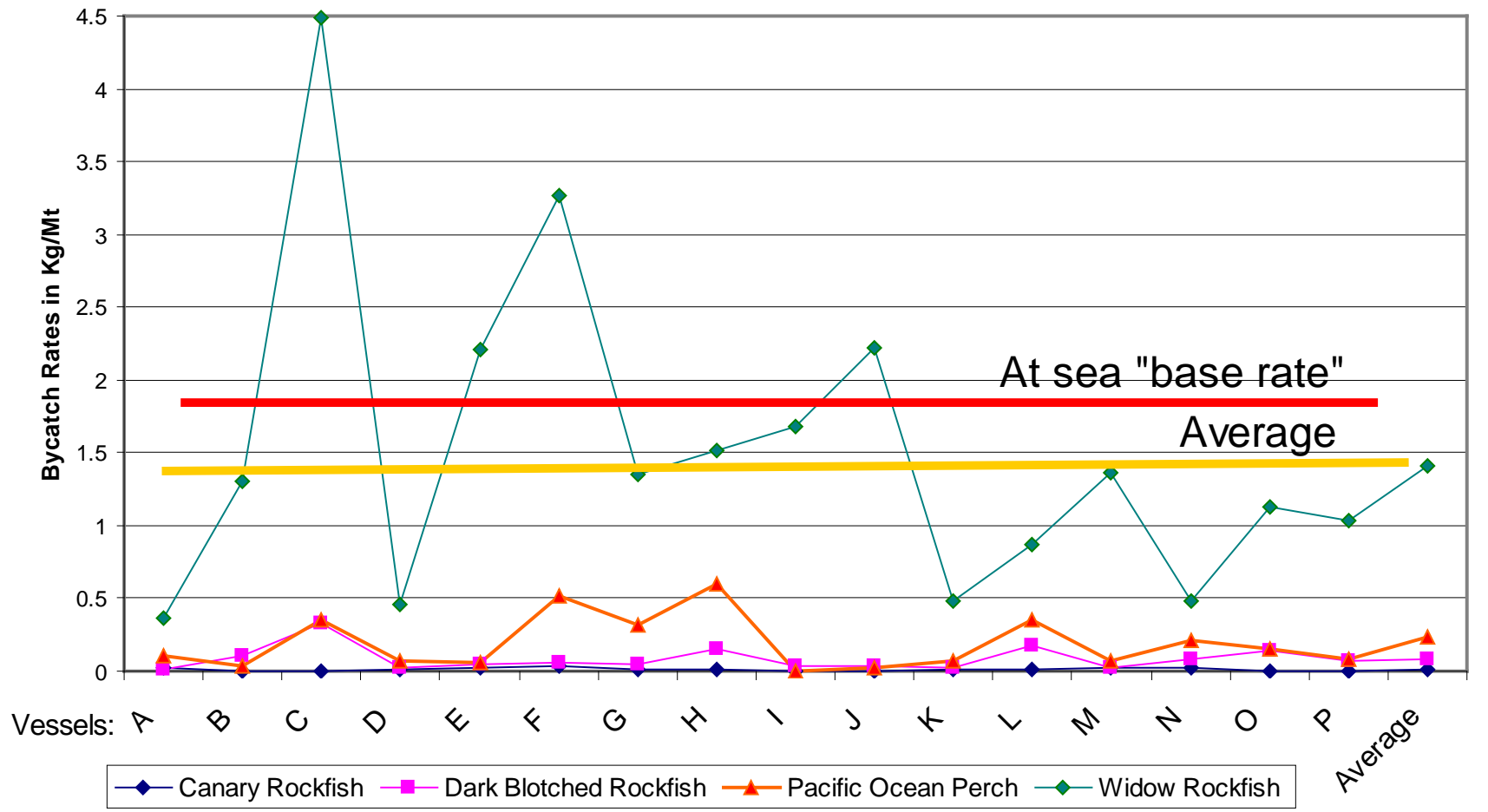
The Results

The 16 member vessels harvested:

- 100,414,956 lbs of Whiting
 - 1,490 lbs of Canary Rockfish
 - 141,857 lbs of Widow Rockfish
 - 8,220 lbs of Dark Blotched Rockfish
 - 23,851 lbs of POP
 - 0 lbs of Yelloweye Rockfish

2012 SWC Bycatch Rates vs Averages

SWC 2012 Rates by Vessel



GROUND FISH ADVISORY SUBPANEL REPORT ON EXPANSION OF GULF OF FARALLONES AND CORDELL BANKS NATIONAL MARINE SANCTUARIES (NMS)

The Groundfish Advisory Subpanel (GAP) heard from Ms. Lisa Wooninck about a proposed action by the Gulf of the Farallones and Cordell Banks National Marine Sanctuaries (GFNMS), (CBNMS) to expand boundaries of each.

The GAP believes that the relationship of the two mentioned sanctuaries with the fishing industry has been good over time. However, based on negative interactions with other sanctuaries over the years, the GAP has concerns about the future evolution of the National Marine Sanctuary Program.

The GAP can find no compelling reason for an expansion of any sanctuary on the west coast. One example is the protection from mineral extraction. A sanctuary is not necessary for this protection to happen. Currently Senator Barbara Boxer has Senate Bill #S45, The West Coast Ocean Protection Act of 2013 under consideration in Congress. This bill has language to prevent oil drilling on the Outer Continental Shelf for the entire west coast. The need for upwelling protections at Pt. Arena is not clearly defined. Pt. Arena is just one of many upwelling areas along the west coast. The GAP is unclear which activities would be prohibited within the sanctuaries. There is particular concern with the regulation of maintenance of port infrastructure, especially dredging and disposal of spoils. A sanctuary is not the only tool for ocean protection.

This expansion proposal cannot be supported due to the following unresolved issues:

1. Fishery management authority.

This has been and will remain ambiguous until the Magnuson-Stevens Act and/or National Marine Sanctuary Act are reauthorized or amended with language clarifying authority over all managed marine species. The scientific expertise for conserving, managing, and regulating fisheries within the Exclusive Economic Zone is found within the state and Federal fishery management agencies

2. Creation of no-fishing zones through sanctuary authority.

This is a fishery management action and should only be allowed through the authority of the relevant Federal and/or state fishery management processes.

3. Protection vs. harvest of ocean resources.

Fishery management standards should dictate what level of protection is accorded concerning marine species currently under management.

4. Existing protections and management.

A thorough analysis is needed to quantify existing protections and management to determine whether there is a need for additional. All regulatory protections and authorities need to be part of this analysis.

An additional comment on funding needs to be addressed. Is there sufficient federal funding for this expansion, present and future? The GAP is concerned about the decline in funding for all marine management. Would the funding for this issue potentially result in even less available for fishery management?

PFMC

04/06/12

HABITAT COMMITTEE REPORT ON EXPANSION OF GULF OF FARALLONES AND CORDELL BANK NATIONAL MARINE SANCTUARIES

Dr. Lisa Wooninck, Office of National Marine Sanctuaries, provided a summary regarding the proposed expansion of the Gulf of the Farallones and Cordell Bank National Marine Sanctuaries. Despite the scoping comment period having closed on March 1, 2013, comments from the Council and its advisory bodies provided during the April meeting will be accepted and considered. The Habitat Committee (HC) supports the underlying intent of the proposed expansion to protect important habitat and the associated ecosystem functions. However, before the HC can make a recommendation whether or not to support the expansion, we believe the following issues need to be evaluated in the Environmental Impact Statement (EIS).

- Since the basis for a boundary expansion is tied directly to the need to protect the resources in the important upwelling zone off Point Arena, the specific geographic boundary of this zone and its relation to the two sanctuaries should be evaluated.
- An analysis of what habitat protection measures, in addition to those already existing through Endangered Species Act (ESA), Marine Mammal Protection Act (MMPA), etc., would be provided by the proposed expansions.
- The HC discussed a list of activities of concern, including oil and gas exploration, alternative energy development, desalination, dredging and disposal, and the use of sonar, especially for military exercises, that could be regulated by the sanctuaries or other permitting authorities, such as the California Coastal Commission and U.S. Army Corps of Engineers. It is unclear which activities would be prohibited within the sanctuaries, allowed through an individual sanctuary permit, or regulated under other permitting authorities. Because some flexibility may be appropriate regarding specific activities (e.g., dredge disposal and beneficial reuse of the material), the regulation of these activities under Sanctuary authority should be analyzed in the EIS.
- To protect ecological functions within the Sanctuary, new activities that can be sited elsewhere should be analyzed before they are allowed in the sanctuary, using an alternatives analysis.
- Analyze the efficacy of water quality protections, such as those implemented by the Gulf of Farallones and the Monterey Bay National Marine Sanctuary programs, and consider incorporation of such protections into these expansions.
- The HC supports an evaluation of activities that would improve the relationship between fishermen and the sanctuaries. For instance, the sanctuaries should consider conducting collaborative research with local fishermen that takes advantage of their knowledge of local habitats.
- Future comment periods for the Draft EIS and Proposed Rule should be scheduled to allow review and comment by the Council.

David Bitts
President
Larry Collins
Vice-President
Duncan MacLean
Secretary
Mike Stiller
Treasurer

PACIFIC COAST FEDERATION of FISHERMEN'S ASSOCIATIONS



Agenda Item B.2.d
Public Comment (April 2013)

W.F. "Zeke" Grader, Jr.
Executive Director
Glen H. Spain
Northwest Regional Director
Vivian Helliwell
Watershed Conservation Director
In Memoriam:
Nathaniel S. Bingham
Harold C. Christensen

Please Respond to:

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28 February 2013

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Ms. Maria Brown, Superintendent
Gulf of the Farallones
National Marine Sanctuary
991 Marine Drive, The Presidio
San Francisco, CA 94129

Mr. Dan Howard, Superintendent
Cordell Bank National Marine Sanctuary
P.O. Box 159
Olema, CA 94950

RE: Boundary Expansion of Cordell Bank and Gulf of the Farallones National Marine
Sanctuaries: Scoping for Preparation of Draft Environmental Impact Statement

Dear Superintendents Brown and Howard:

The Pacific Coast Federation of Fishermen's Associations (PCFFA), representing working men and women in the West Coast commercial fishing fleet, appreciates this opportunity to provide comment on issues for the preparation of a Draft Environmental Impact Statement (DEIS) for a proposed northward expansion of the two sanctuaries. Below are twelve issues PCFFA respectfully requests be included in the DEIS for public consideration and discussion.

At the outset, PCFFA wishes to acknowledge its long and productive relationship with both sanctuaries, including our organization's support for their creation, and a history of collaboration and partnership which began in 1981 with the establishment of the Point Reyes/Farallon Islands Marine Sanctuary, later renamed to the Gulf of the Farallones National Marine Sanctuary. The protection of the marine environment afforded by the sanctuaries has directly benefited the fisheries that sustain our member's livelihoods – the food and jobs fishing represents. The sanctuaries have provided a vehicle for mitigation of oil spills, as well as coordination of clean-up. Perhaps most importantly, the sanctuaries have helped to celebrate the bounty of the fisheries within sanctuary waters and worked to educate the public – through programs such as "Fishermen in the Classroom" – about the history and workings of our fishing industry within the sanctuary.

The good relationship that the fishing community has enjoyed with these two sanctuaries must, however, be put into the context of the West Coast Regional and National sanctuary programs. One of the stated purposes of the West Coast Regional office is to standardize policies

and programs between the five West Coast sanctuaries. Moreover, the Monterey Bay National Marine Sanctuary has asserted the National Marine Sanctuaries Act (NMSA) requires it to include “wilderness” type marine protected areas, which brought into question the degree to which this assertion would apply to all West Coast, if not national, sanctuaries. This question remains unresolved and is problematic for our organization.

Further, the national program is currently seeking comments on changes to the national regulations for all National Marine Sanctuaries, including such items as broadened definitions of injury to sanctuary resources. The sanctuary advisory council charter and protocols have standardized language for all of the nation’s sanctuaries, including new interpretations of the National Marine Sanctuaries Act. Recently, senior NMS officials have announced that one of the new goals for the Program is to “increase protection;” however, this is not defined so the consequences of this effort on fisheries is unknown. Because of these programmatic efforts, our organization must also consider what future changes in the administration of our nation’s National Marine Sanctuaries that may, or are likely, to occur.

The issues we have identified below are in part due to concern for continuation of successful protections (e.g., ban on oil and gas exploration and development) or processes (e.g., deferring all matters of fishery management to responsible state or federal fishery management authorities) and in part out of concern over new proposals for use of sanctuary waters (e.g., renewable energy development) or statements from other sanctuaries or regional or national sanctuary management proposing sanctuary-imposed restriction of fishing activities.

The issues PCFFA requests be included and discussed in the sanctuary expansion DEIS are as follows:

1. Prohibition on Oil and Gas Exploration and Development in Sanctuary Waters.

The existing prohibition on oil and gas exploration and development, found in the designation documents and regulations for these sanctuaries, has worked to prevent a form of industrial development that is incompatible with both protection of sanctuary resources and commercial fishing. PCFFA requests that this existing prohibition remain in place and be included within the waters of any expansion. This prohibition should apply to exploration (e.g., seismic surveys), drilling, and include the practice of “fracking.” Not only is offshore oil and gas a threat to sanctuary resources and fishing, but, as we have learned, the use of oil and gas for energy is a significant contributor to greenhouse gas emissions directly affecting ocean waters from acidification to temperature and sea level rise.

2. Prohibition on New Offshore Renewable Energy Development in Sanctuary Waters. PCFFA recognizes the need for and supports the development of renewable sources of energy to replace existing fossil-based fuels. However, PCFFA finds that attempting to develop offshore renewable energy development (e.g., wave energy) along the U.S. West Coast is highly problematic. Due to the narrow shelf along the West Coast, there would be an inevitable and serious loss of fishing grounds due to offshore energy development, as well as an increase in navigational hazards. From the standpoint of energy development, there are few areas currently suitable for connecting with the grid from offshore sites along the coast, while maintaining offshore facilities is far more costly than such maintenance is for onshore sites.

Moreover, there are ample onshore areas along the West Coast for siting renewable energy facilities – both solar and wind. Indeed, in the Pacific Northwest, wind power development has created an electrical energy surplus, while California with its expected new renewable energy production coming on line can expect to be a net exporter of electrical power. Thus there is no overriding national energy need to sacrifice the resources or the fisheries of existing or expanded sanctuary waters by permitting offshore renewable energy projects. PCFFA requests therefore, the issue of a prohibition on renewable energy development within sanctuary waters be included in the DEIS.

3. **Prohibition on Large Scale Discharges of Pollutants or Spoils in Sanctuary Waters.** One of the biggest threats to sanctuary resources and, indeed, edible fish populations is the discharge of polluted waters or contaminated spoils. PCFFA requests therefore the issue of maintaining and strengthening the prohibition on large scale discharges, from point and non-point sources including sewage outfalls and urban and agricultural run-off, and large cruise ships be included for discussion in the DEIS. PCFFA also asks that the small and insignificant discharges from fishing vessels and pleasure craft, and smaller maritime vessels such as tugs, continue to be exempted in current and any expanded sanctuary waters. Zero oil discharges are currently banned in any waters, and our members do their best to comply. PCFFA, however, recommends an exclusion from the above prohibition allowing for disposal of clean spoils from any dredging of ports adjacent to newly expanded sanctuary waters (e.g., Bodega Bay, Point Arena) be permitted in sanctuary waters for the purpose of maintaining these harbors of refuge and as fishing ports. This would include an allowance for use of clean dredge spoils for the purposes of beach replenishment.
4. **Prohibition on Finfish Aquaculture Within Existing and Any Expanded Sanctuary Waters.** Open water finfish aquaculture – a form of concentrated fish feeding operations, much like land-based concentrated animal feeding operations, or CAFOs – are a threat to marine ecosystems. These operations have been fraught with problems ranging from escapes of fish from net pens or cages, spread of disease or parasites into the wild, and a proven source of pollution ranging from concentrated amounts of fecal material, uneaten feed (often times containing antibiotics), pesticides (used to treat sea lice) and herbicides (under to control growth on net pens or cages). Open water finfish aquaculture also poses a threat to navigation when net pens or cages break loose from the moorings as has happened within the past year in both Scotland and Hawaii. Indeed, there is now a movement in much of the world to site finfish aquaculture in onshore, in totally contained facilities. The allowance of finfish aquaculture therefore in sanctuary waters poses a threat to sanctuary waters and is incompatible with the fisheries found within sanctuary waters. PCFFA requests the issue of a prohibition on finfish aquaculture be included in the DEIS.

5. **Prohibition on the Use of High Energy Sonar.** High energy sonar used by the U.S. Navy, and occasionally in seismic surveys for offshore oil and gas exploration or determining the seismic stability of areas of the seabed (e.g., Pacific Gas & Electric's proposal to use high energy survey equipment offshore its Diablo Canyon nuclear power plant to assess that facilities potential risk from earthquake) are proven to harm both marine mammals and fish populations, as well as disrupt lawful fishing activities. The use of this high energy equipment would place living marine resources of the sanctuary at risk and disrupt or harm fisheries. PCFFA requests the issue of a prohibition on the use of high energy sonar activity that harms marine mammals, sea birds or fish, be included in the DEIS.

6. **Restricting Management and Regulation of Fishing to State or Federal Fishery Management Authorities, Respect for the Science-based Management of Those Agencies.** Fishing offshore California is extensively managed and regulated by either the California Fish & Game Commission and the California Department of Fish & Wildlife for state fisheries, or the Pacific Fishery Management Council and the National Marine Fisheries Service for federally-managed fisheries. Overfishing is prohibited under the federal Magnuson-Stevens Fishery Conservation & Management Act (MSA) and California's Marine Life Management Act (MLMA). The scientific expertise for conserving, managing and regulating fisheries from the beach to the outer edge of the EEZ is found within these two state and federal bodies. The sanctuaries do not have the scientific expertise for managing fisheries. To avoid conflicting, duplicative fishery management decisions or advocacy, the two sanctuaries in their designation documents are directed to defer to the fishery management agencies on issues of fishery management and regulation within the sanctuaries. This does not mean that protection of sanctuary resources, including fish populations, within sanctuary waters are weakened. Rather, when a concern arises that a fishing activity may adversely affect a sanctuary resource (e.g., disturbance of a nesting migratory seabird colony from fishing), the sanctuary may bring the issue to the appropriate state or federal fishery authority (depending on the area and fishery) for redress. This has worked successfully for both GFNMS and CBNMS; in fact, both sanctuaries have gone to the extra length of consulting the fishing industry beforehand where any conflicts may exist to develop a solution to the problem jointly with the fishing fleet. PCFFA requests therefore the issue of the continuing deferral to fishery agencies for management of fishing in sanctuary waters be included in the DEIS to include any expanded sanctuary waters. PCFFA should note that it, along with the Fishermen's Marketing Association of Bodega Bay and other PCFFA member groups worked with former Representative Lynn Woolsey on development of such language in an earlier legislative proposal for expansion.

7. **Prohibition on Expansion of State Marine Reserves or Protected Areas into Federal Waters of the Sanctuary.** Vast areas of both state and federal waters along the California coast are currently closed to fishing. California's Marine Life

Protection Act set up a series of marine reserves or marine conservation areas curtailing or completely closing commercial fishing in state waters, including some important fishing grounds for species such as spot prawns. Additionally vast areas of the federal EEZ are currently closed to a large number of fisheries (e.g., Rockfish Conservation Area, salmon closures above Shelter Cove). Although there has been no mention or proposal by either GFNMS or CBNMS of attempting to expand California's marine reserves into federal waters, that discussion has occurred at two other sanctuaries. Among other things, any such action would be an underhanded means of circumventing the current prohibition on fishery management by the sanctuaries, and clearly violates the spirit, if not the exact language, of deferring the management of fisheries to the state and federal fishery agencies. PCFFA requests the issue of extending a prohibition on state reserves in federal waters in the sanctuaries, unless done in consultation with, and the concurrence of, the fishing fleet, based on best available science and approved by the Pacific Fishery Management Council, be included for discussion in the DEIS.

8. **Prohibition on the Establishment of Study, Conservation or Wilderness Areas that Close Fisheries.** This issue has not been raised, nor proposed, by GFNMS or CBNMS. However, the establishment of "study" areas that would close commercial fishing has been discussed by other sanctuaries and actually proposed by the superintendent at the Stillwagen Bank National Marine Sanctuary. The establishment of "study" or "conservation" areas within sanctuary waters would, in effect, be a circumvention of the long-standing agreement, embodied in the designation documents of both sanctuaries, deferring the management of fisheries to the appropriate state or federal fisheries authority. PCFFA requests therefore the issue of a prohibition on the establishment of "study," "conservation," or "wilderness" areas within sanctuary waters for the purpose or effect of closing fishing be addressed in the DEIS. Where a compelling case may be made for the establishment of such areas that may affect fishing, language could be developed requiring it only occur in consultation with, and the concurrence of, the fishing fleet and on approval of either or both (depending on the circumstance) the state and/or federal fishery authority.
9. **Continuation and Expansion of Sanctuary-Fishery Collaborative Education Programs.** Programs, such as "Fishermen in the Classroom" have done much to expand the scope of the sanctuaries educational offering providing the public with a better understanding of not just the biology and ecology of the sanctuaries' resources, but their history, culture and multiple uses. PCFFA requests the issue of maintaining and expanding this collaborative educational program - both in existing and any expanded sanctuary waters - be an issue addressed in the DEIS.
10. **Sanctuary Advisory Council (SAC) Membership.** The Sanctuary Advisory Councils were intended to be a form of co-management and designed to help ensure the concerns of local stakeholders, including affected fishing men and women, were

considered in the management and operation of the national marine sanctuaries. The SACs for both GFNMS and CBNMS have, to date, served that function and fishing men and women on both have been active and fully represented. Indeed, the first SAC chair for the GFNMS was a commercial fisherwoman. The SAC Charter and Protocols, which have been imposed on the individual SACs, seem to create the role for the SACs and their membership as sort of a cheerleading squad for sanctuary actions and proposals, as opposed to emphasizing their role as community/stakeholder representatives, offering their honest advice to the sanctuaries. PCFFA recognizes there are numerous sanctuary stakeholders, although none probably have a greater stake in the operation and success of our national marine sanctuaries than the fishing fleet. PCFFA also recognizes it cannot demand a majority or even half of the membership of a SAC. However, it does believe the fishing fleet deserves fair representation by individuals representing the broad interests of the fisheries, not those of a single individual or small group. That has, to date, been recognized by management of both GFNMS and CBNMS; both sanctuaries have gone out of their way to consult with fishing organizations to ensure they selected the best representatives to represent the interests of the fisheries, as they have done for other stakeholders. This would not now be an issue except at least one other sanctuary has and may be seeking now to silence any criticism from the fishing fleet by attempting to hand select a fishing SAC member without consultation and without regard for whether that person selected actually represented the fleet. It is sort of like George III picking the members of the Continental Congress in order to thwart criticism. PCFFA respectfully requests the issue of fishing representation and selection of fishing representatives to the SAC be an issue discussed in the DEIS. It should be noted that the “fair representation” issue extends to other stakeholder seats, and is one which the DEIS should address in a broad manner.

11. Funding for Sanctuary Operations in Light of Federal Budget Cuts/

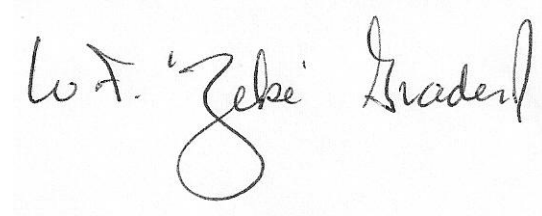
Sequestration. Finally the issue of the funding required for sanctuary operation and expansion cannot be ignored in light of likely federal budget cuts, or worse, across the board cuts under sequestration. This issue of how expansion of sanctuary waters can be carried out - with impending budget cutbacks - must be part of the discussion in the DEIS. PCFFA requests the issue of funding and sanctuary operations/expansion be included in the DEIS.

12. Expansion of the GFNMS boundary south to Point Ano Nuevo (area currently within the boundaries of the Monterey Bay National Marine Sanctuary). Finally, although not mentioned specifically in the Federal Register notice, PCFFA requests that the issue of moving the boundary of the Gulf of the Farallones National Marine Sanctuary southward to encompass the actual physical boundaries of the Gulf of the Farallones be included in the DEIS discussing a boundary change for GGNMS. This boundary move would neither expand nor lessen existing NMS coverage of the California coast, but would, nor change current management (GFNMS has been

delegated management authority over the northern portion of the Monterey Bay Sanctuary north of Ano Nuevo), but would conform the formal boundary lines of GBNMS to the geographic boundaries of the Gulf of the Farallones. PCFFA requests the issue of a southern boundary change for the Gulf of the Farallones be included in the DEIS to include that area of the northern Monterey Bay Sanctuary currently managed by GFNMS.

PCFFA appreciates this opportunity to provide its list of issues during this scoping process for inclusion and discussion in the DEIS. Please feel free to contact us if you have questions or require further information.

Sincerely,

A handwritten signature in black ink, reading "W.F. 'Zeke' Grader, Jr." The signature is written in a cursive, flowing style. The "W.F." is at the top left, followed by "'Zeke'" in a larger, more stylized script, and "Grader, Jr." at the bottom right.

W.F. "Zeke" Grader, Jr.
Executive Director

cc: The Honorable Barbara Boxer
The Honorable Dianne Feinstein
The Honorable Jared Huffman
The Honorable Lynn Woolsey (U.S. House of Representatives – Retired)
Pacific Fishery Management Council
California Fish & Game Commission

Alliance of Communities for Sustainable Fisheries

256 Figueroa Street #1, Monterey, CA 93940

(831) 373-5238

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March 1, 2013

Maria Brown, Superintendent,
Gulf of the Farallones National Marine Sanctuary
991 Marine Drive
The Presideo
San Francisco, CA 94129

RE: Comments to Federal Register Notice on the Expansion of California NMS's---
OPPOSE

Dear Superintendent Brown,

Our organization, the Alliance of Communities for Sustainable Fisheries (ACSF) was formed in 2000 in part to represent commercial and recreational fishing interests to the Monterey Bay National Marine Sanctuary (MBNMS). We are a federally recognized 501-c-3 organization, with our Board of Directors comprised of the leaders of the central coast's (California) commercial fishing associations, and recognized leaders of recreational fishing organizations, plus representatives of the various port communities. The mission statement of the ACSF is "Connecting fishermen with their communities". The ACSF and its individual members have a proven record of supporting the science-based conservation of marine resources and the sustainability of our fisheries. Our livelihoods depend on a healthy ocean! We also have years of experience in working with the National Marine Sanctuaries in our region.

As you will see below, some of our comments are shared with those submitted by the Pacific Coast Federation of Fishermen's Associations.

At the outset, the ACSF wishes to acknowledge the productive relationship with both sanctuaries. The protection of the marine environment afforded by the sanctuaries has been of some benefit to the fisheries that sustain our member's livelihoods – the food and jobs fishing represents. The sanctuaries have provided another obstacle to the development of oil and gas off our coast. In one program, the sanctuaries have helped to celebrate the bounty of the fisheries within sanctuary waters and worked to educate the public – through programs such as "Fishermen in the Classroom" – about the history and workings of our fishing industry within the sanctuary. Those efforts are appreciated.

The good relationship that the fishing community has enjoyed with these two sanctuaries must, however, be put into the context of the West Coast Regional and National sanctuary programs. One of the stated purposes of the West Coast Regional office is to standardize policies and programs between the five West Coast sanctuaries. The West Coast Sanctuary Director asserted in a letter to the Pacific Fishery Management Council his interest in stopping or limiting bottom trawling from west coast sanctuaries. Moreover, the Monterey Bay National Marine Sanctuary has asserted the National Marine Sanctuaries Act (NMSA) requires it to include “wilderness” type marine protected areas, which brought into question the degree to which this assertion would apply to all West Coast, if not national, sanctuaries. This question remains unresolved and is problematic for our organization. Further, the national program is currently seeking comments on changes to the national regulations for all National Marine Sanctuaries, including such items as broadened definitions of “injury “ to sanctuary resources which could be applied to fishing activity. The sanctuary advisory council charter and protocols have standardized language for all of the nation’s sanctuaries, including new interpretations of the National Marine Sanctuaries Act. Recently, senior NMS officials have announced that one of the new goals for the Program is to “increase protection; however, this protection is not defined, so the consequences of this effort on fisheries is unknown. And, the National Marine Sanctuaries Act is overdue for reauthorization by Congress, so there is no way of knowing if fishing interests will be benefitted or harmed by changes Congress might make to the law, and Program. Because of these programmatic efforts, our organization must also consider what future changes in the administration of our nation’s National Marine Sanctuaries that may, or are likely, to occur.

ACSF members have in the past supported a number of goals and programs of the NMS Program. These include the additional (though not complete) protection from offshore oil and gas development, and hopes for improved water quality and collaborative research. While we continue to support these goals, our experience has shown that many other government and private foundation laws and programs also substantially contribute to these goals, and to other objectives promoting ecosystem health. For example, fishery management agencies are taking important steps towards an ecosystem-based approach to the management of fisheries, and habitats.

Although our industry strongly desires a close and mutually respectful relationship with the sanctuaries, this has too often not been the case.

Because of our past experiences, and future uncertainty about how the Sanctuary Program will evolve, the ACSF must OPPOSE the proposed expansion of sanctuary boundaries.

This said, we also offer the following specific comments to be considered in the scoping review of expansion:

Funding The Sanctuary Program is already strapped for money. For example, sanctuaries have had to drop key programs such as their Spanish language outreach.

The Monterey sanctuary abandoned its Ecosystem Based Management Initiative, among others. How can sanctuaries consider expansion? At what expense to existing programs? We fishermen want the Sanctuary to be focused on collaborative research and water quality improvement. Certainly the national debate occurring over the size and cost of government is relevant to this expansion question. The nation cannot afford to be expanding redundant programs.

On this point, the last reauthorization of the National Marine Sanctuaries Act by Congress prohibited the creation of new sanctuaries until the program could show that it's meeting current goals. It cannot. The issue at hand is the very large expansion (over 2,700 square miles) of existing sanctuaries; we believe that this expansion is contrary to the concern and intent of Congress. The DEIS should examine both the funding available for an expanded sanctuary, and the consistency, or lack of, with existing federal law regarding the intent of Congress in its limit on new NMS's.

Prohibition on Oil and Gas Exploration and Development in Sanctuary Waters

The existing prohibition on oil and gas exploration and development, found in the designation documents and regulations for these sanctuaries, has worked to prevent a form of industrial development that is incompatible with both protection of sanctuary resources and commercial fishing. ACSF requests that this existing prohibition remain in place and be included within the waters of any expansion. This prohibition should apply to exploration (e.g., seismic surveys), drilling, and include the practice of "fracking." Not only is offshore oil and gas a threat to sanctuary resources and fishing, but, as we have learned, the use of oil and gas for energy is a significant contributor to greenhouse gas emissions directly affecting ocean waters from acidification to temperature and sea level rise.

Balance Protections when warranted with the facilitation of multiple use opportunities, as Congress intended

In part our experience reveals a (needless, we believe) clash of values. It seems that the National Marine Sanctuaries Act is being interpreted by senior program staff to prioritize resource protection over resource uses—even if those uses are sustainable. Non-consumptive uses and the "existence valuation" of resources appear to be the new priorities of the Program. We believe that this is not the intent of Congress, and it leads to a lack of support by the Sanctuary Program for commercial fishing. Congress, we believe, intends the Sanctuary Program to balance multiple use opportunities with protection—protection when resources might be irrevocably harmed. It is also evident that, as in the case of the Monterey Sanctuary, commercial fishing was one of the attributes, or resources, that were intended to be protected when that sanctuary was designated.

This prioritization of values even overrode an important direction of Congress, that sanctuaries “provide authority for comprehensive and coordinated conservation and management of these marine areas, and activities affecting them, in a manner which compliments existing regulatory authorities...” (NMSA Sec 301(b)(2)). In the case of the Sanctuaries’ role in the California Marine Life Protection Act implementation, the sanctuaries made no effort to engage in ecosystem-based management, which would have required that the need for MPAs must be integrated with other fishery and marine protection laws and programs. Instead, the sanctuaries focused on advocating for the maximum protection of quality habitat, to the detriment of fishermen and their communities. It appeared that the sanctuaries didn’t know how to manage, only how to protect, ocean resources. Importantly, though the sanctuaries did not use its own authority to create these fishing restrictions, they did freely use sanctuary stature to move public opinion and legislative actions.

Restricting Management and Regulation of Fishing to State or Federal Fishery Management Authorities, Respect for the Science-based Management of Those Agencies

There is also confusion within the National Marine Sanctuary Program, and Congress, as to the roles of the National Marine Fisheries Service, the Pacific Fishery Management Council, and the Sanctuaries, for regulations that affect fishing. A wide variety of fishing organizations have requested that Congress make it clear that sanctuaries should not be able to create fishing regulations, or regulations that affect fishing. No action has been taken on this. This lack of current clarity has led to a sort of “mission creep” on the part of some sanctuaries, into areas that should be the domain of science-based fishery agencies. A good example of this is the statement from the sanctuary program that it supports “ecologically sustainable fisheries” in NMS’s. However, this term is not defined, or differentiated from the sustainable fisheries required by existing federal law.

Congress needs to clarify that it is the States and the federal Magnuson-Stevens Fishery Conservation and Management Act that govern fisheries inside NMS’s. Additionally, in the case of the creation of the Channel Islands and Monterey Bay National Marine Sanctuaries, fishermen were promised by federal officials that the new sanctuary would not regulate fisheries, or generally threaten our livelihoods. However, as noted above, the sanctuaries have used their prestige to influence the actions of fishery management agencies, doing this too often without a foundation of peer reviewed science, and without the support of fishermen. While there are new efforts to work collaboratively and improve relationships with fishermen, ACSF cannot support expansion until federal law is clarified, per above, and a substantial history of good relations has been established.

Fishing offshore California is extensively managed and regulated by either the California Fish & Game Commission and the California Department of Fish & Wildlife for state fisheries, or the Pacific Fishery Management Council and the National Marine Fisheries Service for federally-managed fisheries. Overfishing is prohibited under the federal

Magnuson-Stevens Fishery Conservation & Management Act (MSA) and California's Marine Life Management Act (MLMA). The scientific expertise for conserving, managing and regulating fisheries from the beach to the outer edge of the EEZ is found within these two state and federal bodies. The sanctuaries do not have the scientific expertise for managing fisheries. To avoid conflicting, duplicative fishery management decisions or advocacy, the two sanctuaries in their designation documents are directed to defer to the fishery management agencies on issues of fishery management and regulation within the sanctuaries. This does not mean that protection of sanctuary resources, including fish populations, within sanctuary waters are weakened. Rather, when a concern arises that a fishing activity may adversely affect a sanctuary resource (e.g., disturbance of a nesting migratory seabird colony from fishing), the sanctuary, after consultation with the fishing industry and developing a mutually agreed-upon solution, may bring the issue to the appropriate state or federal fishery authority (depending on the area and fishery) for redress. This has worked successfully for both GFNMS and CBNMS; in fact, both sanctuaries have gone to the extra length of consulting the fishing industry beforehand where any conflicts may exist to develop a solution to the problem jointly with the fishing fleet. ACSF requests therefore the issue of the continuing deferral to fishery agencies for management of fishing in sanctuary waters be included in the DEIS to include any expanded sanctuary waters. This deferral would be in addition to the clarifications also needed by Congress.

Prohibition on Expansion of State Marine Reserves or Protected Areas into Federal Waters of the Sanctuary

Vast areas of both state and federal waters along the California coast are currently closed to fishing. California's Marine Life Protection Act set up a series of marine reserves or marine conservation areas curtailing or completely closing commercial fishing in state waters, including some important fishing grounds. Although there has been no mention or proposal by either GFNMS or CBNMS of attempting to expand California's marine reserves into federal waters, that discussion has occurred at two other sanctuaries. Among other things, any such action would be an underhanded means of circumventing the current prohibition on fishery management by the sanctuaries, and clearly violates the spirit, if not the exact language, of deferring the management of fisheries to the state and federal fishery agencies. ACSF requests the issue of extending a prohibition on state reserves in federal waters in the sanctuaries, unless done in consultation with, and the concurrence of, the fishing fleet, based on best available science and approved by the Pacific Fishery Management Council, be included for discussion in the DEIS.

Prohibition on Finfish Aquaculture -- Within Existing and Any Expanded Sanctuary Waters

Open water finfish aquaculture – a form of concentrated fish feeding operations, much like land-based concentrated animal feeding operations, or CAFOs – are a threat to marine ecosystems. These operations have been fraught with problems ranging from escapes of fish from net pens or cages, spread of disease or parasites into the wild, and a proven source of pollution ranging from concentrated amounts of fecal material,

uneaten feed (often times containing antibiotics), pesticides (used to treat sea lice) and herbicides (used to control growth on net pens or cages). Open water finfish aquaculture also poses a threat to navigation when net pens or cages break loose from the moorings as has happened within the past year in both Scotland and Hawaii. Indeed, there is now a movement in much of the world to site finfish aquaculture in onshore, in totally contained facilities. The allowance of finfish aquaculture therefore in sanctuary waters poses a threat to sanctuary waters and is incompatible with the fisheries found within sanctuary waters. ACSF requests the issue of a prohibition on finfish aquaculture be included in the DEIS.

Prohibition on the Use of High Energy Sonar

High energy sonar used by the U.S. Navy, and occasionally in seismic surveys for offshore oil and gas exploration or determining the seismic stability of areas of the seabed (e.g., Pacific Gas & Electric's proposal to use high energy survey equipment offshore its Diablo Canyon nuclear power plant to assess that facilities potential risk from earthquake) are proven to harm both marine mammals and fish populations, as well as disrupt lawful fishing activities. The use of this high energy equipment would place living marine resources of the sanctuary at risk and disrupt or harm fisheries. ACSF requests the issue of a prohibition on the use of high energy sonar activity that harms marine mammals, sea birds or fish, be included in the DEIS.

Prohibition on the Establishment of Study, Conservation or Wilderness Areas that Close Fisheries

This issue has not been raised, nor proposed, by GFNMS or CBNMS. However, the establishment of "study" areas that would close commercial fishing has been discussed by other sanctuaries and actually proposed by the superintendent at the Stillwagen Bank National Marine Sanctuary. The establishment of "study" or "conservation" areas within sanctuary waters would, in effect, be a circumvention of the long-standing agreement, embodied in the designation documents of both sanctuaries, deferring the management of fisheries to the appropriate state or federal fisheries authority. ACSF requests therefore the issue of a prohibition on the establishment of "study," "conservation," or "wilderness" areas within sanctuary waters for the purpose or effect of closing fishing be addressed in the DEIS. Where a compelling case may be made for the establishment of such areas that may affect fishing, language could be developed requiring it only occur in consultation with, and the concurrence of, the fishing fleet and on approval of either or both (depending on the circumstance) the state and/or federal fishery authority.

Continuation and Expansion of Sanctuary-Fishery Collaborative Education Programs

Programs, such as "Fishermen in the Classroom" have done much to expand the scope of the sanctuaries educational offering providing the public with a better understanding of not just the biology and ecology of the sanctuaries' resources, but their history, culture and multiple uses. ACSF requests the issue of maintaining and expanding this

collaborative educational program - both in existing and any expanded sanctuary waters - be an issue addressed in the DEIS.

Provide an Accounting and Analysis of What Protections Already exist in the Proposed Expansion Area, and Compare with Credible Threats to Resources

We must also point out that many layers of protection and governance for the area in question already exist. In fact, the ocean off the west coast of the US is already one of the most highly regulated areas in the world. Since sanctuary designation would create redundant layers of protection, we question what additional protections would occur, not already within the regulatory purview of other agencies. While a sanctuary ban on oil development would provide a new obstacle; even that can be overridden by a determined congress in times of national emergency. Certainly the national debate occurring over the size and cost of government is relevant to this expansion question. The nation cannot afford to be expanding redundant programs.

Carbon Footprint

There are concerns over the increased carbon footprint that the expansion would likely create. "First and foremost," said NOAA outgoing administrator Jane Lubchenco, "we need to demand that our elected representatives take seriously the need to reduce carbon emissions, and that's true at a national level but also at the local level". This quote from the top of NOAA makes us wonder how well NOAA has done on constraining its own carbon footprint? How does the sanctuary intend to both extend its influence and acreage of federally managed territory and simultaneously reduce its fuel consumption? Examine this question in the DEIS.

Governance Issues

There are also significant governance issues. One is in regard to the use of Sanctuary Advisory Councils (SAC). These SACs are supposed to be the community and stakeholders' voice in relationship to the Federal Sanctuary agency. The original vision and expectations for the SAC were to be one of co-management with the federal agency. The Sanctuaries, however, largely control the make-up of the Sanctuary Advisory Council members, including their selection, control the SAC's agendas, and only allow communication from the Council to Sanctuary Program managers. Further, their role is only one of advice-- that may be ignored. In the case of the Monterey Sanctuary, controversy over the composition of the SAC was such that its Management Plan, a result of seven years of effort, has been weakened for not knowing if it actually represents the will of the public. This control over the SAC structure and function also generally weakens the credibility of the Sanctuary's public decision-making process. Questions have arisen regarding the selection of commercial and recreational fishing representatives on the SAC—as to whether they actually represent their constituencies. This concern applies to all SACs. There has also been public concern about the lack of proper notice for SAC meetings, and a lack of information to the SAC and public as to

the actions that the SACs might consider. This creates a lack of transparency. While this is something that Congress should fix in the next reauthorization of the NMSA, the NMS Program could take important steps towards a fairer and more transparent SAC structure by revising its Charter and Protocols, and is an issue that the DEIS should evaluate.

There have certainly been sanctuary successes too. However, because of the rough spots and weaknesses described above, we conclude that the Sanctuary Program should work out mature solutions to these issues with its communities and stakeholders before it considers expanding.

Kathy Fosmark
Co-Chair

Frank Emerson
Co-Chair



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www.SeaTurtles.org • www.tirn.net • www.sharkstewards.org • www.SpawnUSA.org • www.GotMercury.org

March 28, 2013

Mr. Dan Wolford, Chairman
Pacific Fishery Management Council
7700 NE Ambassador Place, Suite 101
Portland, OR 97220-1384

Re: Agenda Item B.2 - Proposed Expansion of Cordell Bank and Gulf of the Farallones
National Marine Sanctuaries

Dear Chair Wolford and Council Members,

Turtle Island Restoration Network (TIRN) is writing on behalf of our 60,000 members and supporters to urge the Pacific Fishery Management Council (the Council) to support the proposed northward expansion of Cordell Bank and Gulf of the Farallones National Marine Sanctuaries.

The proposed sanctuary expansion resulted from eight years of coalition building by a broad range of stakeholders that has achieved wide support from city and county governments, chambers of commerce, fishing groups, and environmental advocates. The sanctuary expansion is also strongly supported by the public, as the letters attached from our members and supporters demonstrate.

California's national marine sanctuaries preserve one of the world's most productive marine ecosystems from the devastating impacts of the oil and gas industry. The sanctuaries also protect coastal waters from polluting discharges from large cruise ships and prevent destruction of the seabed.

These two marine sanctuaries provide ocean habitat for at least 25 threatened or endangered marine species, including blue whales, humpback whales, northern fur seals, and Pacific leatherback turtles – California's official marine reptile; spectacular living reefs of corals and sponges; one-third of the world's whale and dolphin species; at least 163 bird species, including

the largest colony of seabirds in the continental U.S.; and more than 300 species of fish, including commercially valuable salmon and groundfish.

The expanded sanctuaries will help preserve the half a million jobs and nearly \$36 billion in economic activity that depend on ocean tourism, recreation, and fishing in California.

The rich diversity and health of the Farallones Island rookeries and Cordell Bank reefs depends on the cold nutrient-rich source water originating from the Point Arena upwelling center. This area's natural resource and ecological qualities should become part of the national marine sanctuary system as soon as possible. The ocean upwelling system within the proposed northern expansion of the boundary change is critical to the economic and biological well being of the Northern California Coastal region.

While the comment period for the environmental review for the sanctuary expansion process is now closed, we understand that marine sanctuary officials will be seeking your feedback and support at the April 2013 Council meeting. Given the Council's responsibility for sustainable management of West Coast fisheries and adopting ecosystem management approaches, TIRN urges Council to support the expansion of the Cordell Bank and Gulf of the Farallones National Marine Sanctuaries as a way to achieve and enhance your mission and objectives.

Sincerely yours,

A handwritten signature in cursive script that reads "Teri Shore". The signature is fluid and elegant, with a long, sweeping underline.

Teri Shore
Program Director

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Dear Sanctuary Superintendent Ms. Maria Brown,

I strongly support a northward expansion of the Gulf of the Farallones and Cordell Bank National Marine Sanctuaries to protect California's endangered marine life from future threats of the offshore oil industry. The proposed area offshore of the Sonoma and Mendocino Coasts includes critical upwelling zones that support one of the most biodiverse marine ecosystems in the world. Pacific leatherback sea turtles, white sharks, blue whales, and coho salmon are just a few of the endangered and charismatic creatures that rely on this marine habitat for their continued existence.

The rich diversity and health of the Farallone Island rookeries and Cordell Bank reefs depends on the cold nutrient-rich source water originating from the Point Arena upwelling center. This area's natural resource and ecological qualities should become part of the National Marine Sanctuary system as soon as possible. The ocean upwelling system within the proposed northern expansion of the boundary change is critical to the economic and biological well-being of the Northern California Coastal region.

Sincerely,

First Name	Last Name	Zip	State
Christopher	Pincetich	94956	CA
Karen	Chinn	95425	CA
Jessica	Ramirez	90045	CA
christin	anderson	94973	CA
Matt	Lunn	94952	CA
sharon	lacy	95472	CA
suzanne	schipper	95421	CA
Vicki	Prince	95482	CA
ann-marie	taylor	94954	CA
Gwen	Beacham	95401	CA
mark	saleby	95492	CA
MICHAEL	ROWND	94912	CA
Eric	Hodges	94941	CA
Lauren	Bouyea	94965	CA
Justine	Rudman	94941	CA
Trinka	Marris	94956	CA
Steve	Bush	95404	CA
Betts	Harley	92627	CA

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Wendy	Krupnick	95401	CA
Diane	Bolman	94949	CA
Bob	Batha	94941	CA
Jeremy	Tardiff	93405	CA
Peter	Burchard	94930	CA
Ann	Rennacker	95437	CA
gay	Cain	94973	CA
Brian	Crawford	94960	CA
Robert	Rosenberg	94904	CA
RICHARD	WARTELL	95490	CA
Daniel	Podell	95404	CA
Nicholas	Thayer	95482	CA
Isis	Brenner-Ward	95482	CA
Jeannine	Bressie	95405	CA
Mira	Aceves	94952	CA
Daniel	Swezey	95465	CA
Sharon	Feissel	95409	CA
Michael	Krikorian	95492	CA
Suzanne	Pinto	94901	CA
laura	margolis	95472	CA
Jennifer	petray	94941	CA
Kathryn	Hardy	94952	CA
Russell	Ridge	94937	CA
Gary	Fleener	95401	CA
John	McCory	94941	CA
Larry	Sheehy	95482	CA
John	Jeavons	95490	CA
Anne	Watts	95401	CA
Mark	Scardello	94952	CA
Frances	Hinckley	94925	CA
Paul	Maysonave	95476	CA
Lori	Leigh	95403	CA
Sherry	Pimsler	95462	CA
Frank	Cox	94903	CA
Ruth	Barkan	94904	CA
Erica	Solano	95472	CA
Nate	Sewell	95407	CA
Stephanie	Stone	94954	CA
linda	simmel	95476	CA
Donna	Ritola	94954	CA
marita	ffmayer	94960	CA
Maija	Schaefer	94945	CA
Susanna	Cummings	95469	CA

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Pat	Healy	94956	CA
Aaron	Brinkerhoff	94901	CA
marilyn	Meredith	95421	CA
Brenda	Nichols	95472	CA
nancy	biggins esq	95482	CA
Julie	Higgins	95460	CA
Eleanor	Cuevas	95476	CA
Mitchell	Nemeth	94941	CA
Cathy	Chapman	94928	CA
mike	Kappus	94116	CA
CHRIS	MORANO	95446	CA
Devi	Peri	94930	CA
Riccardo	Fiorentino	94904	CA
nancy	stein	94956	CA
Mark	Bockley	94946	CA
Nina	Tepedino	95404	CA
Janet	Lott	94978	CA
e	perkins	95481	CA
Antoinette	Calavas	95460	CA
Luana	Cowan	95472	CA
Molly	Huddleston	95401	CA
Elizabeth	Graham	94941	CA
J and J	Farrin	95472	CA
Alberta	Lesko	94904 1310	CA
Pamela	Smith	94970	CA
Mark	Hargraves	95446	CA
Kathleen	Watson	95436	CA
Gina	Covina	95454	CA
Louis	Vega	94933	CA
Patricia	Lawrence	96073	CA
Bob	Whitney	95490	CA
Madelaine	Matej	94941	CA
M. Alima	Silverman	95405	CA
Elaine	Charkowski	95437	CA
Georgia	Giondomenica	94904	CA
Vivicka	Parawell@yahoo.com	94904	CA
Barbara	Macdonald	94973	CA
Katarina	Burda	94938	CA
Benjamin	Deweese	95476	CA
Richard	Gray	94933	CA
Marian	Schuchman	94941	CA
Roger	Brown	95472	CA
bita	edwards	94973	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

John	Omaha	95402	CA
Shellee	Davis	94931	CA
Gloria	Badella	95436	CA
Richard	Moore	95472	CA
Marc	Stepheson-Richman	94945	CA
Tessa	Kraft	95448	CA
Patrick	Hutchinson	95404	CA
Wnedy	Morelli	95449	CA
Jasmin	Cerda	95407	CA
Amos	Eaton	95407	CA
William	Vaughn	95472	CA
CARLA	DAVIS	94925	CA
Stephen	Larimore	95476	CA
Bitsa	Burger	94948	CA
Alan	Phillips	95409	CA
Melissa	Benson	94901	CA
Megan	Saunders	95421	CA
Christine	Stepan	94904	CA
Adam	Lehman	94954	CA
Liz	Wade	94951	CA
Edna	Rossen	94965	CA
John	Palmerlee	95404	CA
Megan	Kenyon	94903	CA
John	Lindh	95476	CA
Carol	Treacy	94952	CA
Susanne	Bersbach	94939	CA
robert	lorentzen	95437	CA
Nelson	Johnson	95446	CA
Cory	Chamberlain	94949	CA
Mary	Tullock	94928	CA
F. Michael	Montgomery	95409	CA
Susan	Stauffer	95437	CA
Claire	May	95472	CA
Virginia	O'Connell	94952	CA
Ian and Janeane	Moody	94965	CA
Gloria	Hafner	95401	CA
Alex	Vollmer	94901	CA
Rob	Harlan	95460	CA
Denali	Files	95460	CA
Marcy	Meadows	95444	CA
Barrie	Stebbins	94970	CA
Bonita	Munoz	95404	CA
Jerry	Hudgins	94956	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

George	Woodward	94904	CA
Lhasa	Summers	TQ9 6PA	CA
Susan M.	Anderson	95482	CA
Rita	Crane	95410	CA
Jonathan	Riley	95472	CA
Allan	H.	95445	CA
Misty	Hay	95407	CA
Julia	Thollaug	94037	CA
Andreas	Wittenstein	94973	CA
Michael	Mery	94956	CA
David	Passmore	95421	CA
Henry	Schaffer	94952	CA
Linda	Wren	95405	CA
James J.	O'Hara	95472	CA
V. Tiare	Trápaga	95446	CA
andrea	ross	94965	CA
Ric	Palomo	95404	CA
Lucy	Kenyon	95403	CA
Kent	Littleton	95445	CA
Lewis	Edwards	95405	CA
Jacqueline	Robertson	94952	CA
pedro	lopez	94947	CA
michael	pinkham	94924	CA
Sarah	Kelley	94941	CA
andy	peri	94930	CA
James	Fitzgerald	94923	CA
Jacques	Ullman	94965	CA
Laura	Adams	95472	CA
James	Cameron	95409	CA
mary ann	finger	94964	CA
Linda Jean	Edwards	94951	CA
Daniel	Gray	95407	CA
Lis	Annecone	95407	CA
Julie	Wittet	95407	CA
Robert	Stark	94966	CA
nathaniel	VOSE	94901	CA
Tristan	Celayeta	94941	CA
Janet	Shirley	94903	CA
Kathleen	Taft	94925	CA
Devon	Donkin	94933	CA
Karen	Lane	95476	CA
Susan	Rockwell	95407	CA
Denise	Halbe	95476	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Thom	Philipel	94923	CA
Jessica	Wolfe	95472	CA
Fred	Bonnet	95405	CA
Robert L.	Hamilton, Jr.	94904	CA
J L	Fry	94947	CA
Rene	Voss	94960	CA
Phyris	Tobler	94928	CA
Mike	Cass	94947	CA
Charles	Harris	94903	CA
Elvis	Johnson	94901	CA
Joey	Smith	95404	CA
Carole	De La Cruz	95492	CA
Frank	Lahorguecom	94903	CA
gregg	Tosello	95445	CA
will	combs	95442	CA
Benjamin	Sippel	95404	CA
Jean	Schulz	95404	CA
Veronica	Casey	95463	CA
nicholas	lenchner	95403	CA
Joy	Regan	94954	CA
Charles	Hitt	95445	CA
Nina	Bellak	94924	CA
Jack	McClellan	94924	CA
James	W Walsh	94954	CA
gail	alford	95403	CA
Terry	Levi	94541	CA
Roger	Burns	95472	CA
Morgan	Harrington	95476	CA
Gary	Siler	95446	CA
Wayne	Gibb	95436	CA
Mary	Tuteur	94928	CA
jacqueline	schael	95472	CA
Bonnie	Kirkpatrick	94901	CA
Peter	Forni	95452	CA
Mark	Swoiskin	94941	CA
Christian	Doering	95480	CA
Janice	Wood-Littleton	95445	CA
Leslie	Leslie	94941	CA
(The Rev.) Allan B.	Jones	95404	CA
Rebekah	Laros	94942	CA
Robert	Arango	94965	CA
Kristen	Frost	95460	CA
Alisha	Oloughlin	94901	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Jessica	Denham	95492	CA
Bucky	Mace	94924	CA
Shirley	Harris	95490	CA
Kira	Wojack	95437	CA
Tudy	Garrett	95442	CA
pres	speulda	95405	CA
Ethan	Hunt	95403	CA
maria	muldaur	94941	CA
louise	gregg	94971	CA
Doris	Overmyer	94903	CA
Jill	Myers	95466	CA
janie	rezner	95437	CA
dena	allen	95472	CA
Lorie	James	94954	CA
Dale	Le Fevre	95437	CA
Burjor	Dastur	94954	CA
Elizabeth	Danel	94920	CA
Diane	Baines	95403	CA
Teri	Scanlon	94954	CA
Andrea	Pellicani	95401	CA
Alan	BArtl	95401	CA
Alison	Engh	94941	CA
Michael	Thiele	95472	CA
Jerry	Greenstein	94901	CA
Val	Muchowski	95466	CA
Herve	Glon	94901	CA
Cherie	Herzog	94901	CA
Sita	Khufu	94960	CA
Liz	Helenchild	95460	CA
Shannon	Deweese	95476	CA
Terry	Young	94903	CA
DONNA	Gold	91307	CA
Pat	Yoxall	95490	CA
Mary	Currie	94960	CA
Steve	Pryputniewicz	95436	CA
Katrina	Shortridge	94925	CA
Brad	Moss	95472	CA
Karen	Donohue	95472	CA
Megan	Lesinski	95403	CA
Dana	Beckstoffer-Yares	94952	CA
Beverly	Rudolph	95472	CA
Monica	McKey	95476	CA
Thomas	Whelan	94903	CA

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Jonathan	Sampson	95404	CA
annika	miller	94941	CA
Naomi	Binzen	94973	CA
edna	Gellhorn	95482	CA
Cheri	Keisner	95587	CA
Laura	Huhn	94923	CA
Katy	R.	95465	CA
Randy	Johnson	95472	CA
deborah	hoskins	95404	CA
Shanna	Fleming	94952	CA
Joan	Emerson	94941	CA
Kimberly	Peterson	95425	CA
christina	fritsch	95436	CA
LANI	KAAHUMANU	95421	CA
Tauny	Kasuya	94901	CA
Suzanne	Teal	95405	CA
Phyllis	James	95472	CA
Barbara	Youngblood	95428	CA
Gary	Alderette	95401	CA
chris	bongardt	94928	CA
Anne	Barker	94901	CA
Cynthia	McMath	95415	CA
Doris	Mohr	94949	CA
Randall	Woodbury	95472	CA
nancy	hines	94945	CA
Judi	Danner	95476	CA
Richard	Goodman	95460	CA
Lisa	Furton	95472	CA
Michele	Santoro	95616	CA
Charles	Hochberg	95466	CA
Shirley	Wallack	95403	CA
Mary	McClary	95401	CA
Roberta E.	Newman	94941	CA
Paul	Stecker	95476	CA
Paul	Judge	95472	CA
barbara	fogel	95472	CA
Lily	Adams	95409	CA
Armando	Gomez	95402	CA
michael	thune	94930	CA
David	Sherman	95405	CA
Zvika	Greensfield	95445	CA
carolyn	couls	94903	CA
Gail	Larrick	95425	CA

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Patricia	McCain	94901	CA
Abraham Omorenimwen	Oboruemuh	92515	CA
John	Wallack	95401	CA
Susan	West	95404	CA
Arthur	Libera	94930	CA
Tamara	Sweger	94920	CA
Chris	Christopher	95446	CA
Ken	Wilson	95409	CA
dolores	heeb	94901	CA
Rachel	Loud	94108	CA
david e	gurley	95404	CA
Brenda	Balanda	94937	CA
Paul	Spruell	94951	CA
beverly	McIntosh	94960	CA
Yale	Abrams	95403	CA
Sharon	Lieberman	95412	CA
Stephanie	Snyder	95490	CA
Timothy	Green	94941	CA
Phillip	Walker	95401	CA
Bonnie	Smith	95446	CA
Dea	Maurizi	95401	CA
Maxine	Litwak	94949	CA
Loren	Amelang	95466	CA
Katherine	Jain	94903	CA
Elisabeth	Fiekowsky	95473	CA
Peter	Avildsen	94966	CA
Luci	Ungar	95476	CA
James	Rose	95403	CA
Robert	Hartnett	94920	CA
John	Montgomery	94903	CA
Evelyn	Anderson	95404	CA
Alicia	Retes	94933	CA
P	Cunningham	95476	CA
Jonah	Nickolds	94965	CA
Longwillow	Fudenberg	95465	CA
Golda	Michelson	94930	CA
Alan	Young	95404	CA
Katherine	Waid	95460	CA
phyllis	bala	95465	CA
Mary	Phillips	94954	CA
Marvin	Gentz	95482	CA
Susan	Burns	94956	CA
Cassandra	Compton	95448	CA

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Marena	Halisi	95436	CA
Mike	Chandler	95472	CA
Maya	Feldman	94131	CA
Shauna	McKimmie	94401	CA
dale	riehart	94107	CA
Heather	Fadden	95472	CA
Gina	Sanfilippo	94114	CA
Scott	Eanes	94501	CA
Maggy	Frias	94118	CA
charlene	allread	95953	CA
Edith	Cacciatore	94945	CA
Alfredo	Barroso	92117	CA
Laura	Lynch	93101	CA
Maeve	Murphy	94901	CA
Jared	McKlintoc	95476	CA
maitreya	silver	94924	CA
Rob	Cherwink	95476	CA
Madeleine	Berke	95462	CA
Paula	Kennedy	95432	CA
Quintilia	Cesaretti	94960	CA
Nancy	Babcock	95448	CA
Debbie	Baron	95437	CA
Antoinette	Golbus	94901	CA
john	ryan	95446	CA
Jorge	De Cecco	95482	CA
Cynthia	Wood	94924	CA
Robert	Smithfield	95472	CA
Mark	Ricci	95468	CA
Linda	Shormann	95404	CA
Carla	McPherson	95428	CA
Judith	Edwards	95460	CA
Anne	Mahler	94521	CA
Angela	Casey	94123	CA
yvonne	holland	95928	CA
Jane	Gerugthy	94044	CA
David	Tomb	94110	CA
Regina	Gandour-Edwards	95818	CA
Nancy	Bradford	94558	CA
Toni	Riso	94608	CA
kevan	vander wahl	94109	CA
Tamhas	Griffith	94553	CA
Michelle	Johnston	95818	CA
PORTIA	SAUCEDO	95605	CA

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Sara	Dalton	93933	CA
Ameet	Zaveri	94566	CA
Cheryl	Reynolds	94521	CA
Christina	Herron	92679	CA
Mike	Linville	94901	CA
Charles	Post	94930	CA
Sue	O'Grady	91384	CA
Erin	Suyehara	90501	CA
Theresa	Leyva	94024	CA
George	Koch	94930	CA
Carolyn	Mone	94062	CA
carol	whitnah	94937	CA
madeline	rose	94933	CA
Teri	Sigler	95060	CA
Joia	Gibble	90019	CA
Phyllis	Shaw	90069	CA
Elyse	Ashton	90069	CA
Gabriela	Velasquez	95054	CA
Daniel	Manross	90404	CA
jessica	Nadolski	95843	CA
Suzanne	Stone	94121	CA
Rene	Lopez	90280	CA
Chrysanna	Corpus	91730	CA
Lawrence	Keller	95065	CA
Jan	Burns	93940	CA
Arlene	Zimmer	90275	CA
Candy	Bowman	95823	CA
Craig	Chisholm	93105	CA
Lonna	Richmond	94965	CA
Barbara	King	90029	CA
Jill	Leake	95818	CA
Heather	Hamza	90068	CA
Gabriella	Turek	91106	CA
Dale	Appelbaum	91362	CA
Claire	Ucovich	94122	CA
Hannah	Lewis	92651	CA
Pamela	Shwayka	94550	CA
Jane	Robinson	95404	CA
Antal	Kalik	90278	CA
Jim	Petkiewicz	95125	CA
Holly	McDuffie	91606	CA
A	Corbett	94610	CA
Shannon	Hunter	95112	CA

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Celia	Kutcher	92624	CA
Kristen	Domingo	94062	CA
j	kato	92647	CA
Paul	Sinacore	91042	CA
chris	matranga	92067	CA
Rae Ann	Gustafson	94941	CA
RACHEL	KURYAN	90740	CA
Margaret	T.M. Petkiewicz	95125	CA
Christine	Champe	95518	CA
anna	bellin	90212	CA
Allison	Adams	94110	CA
Mark	Hanley	94611	CA
Van	AggsonVanA	91941	CA
Vicki	Leeds	94956	CA
Natalia	Henderson	90027	CA
Gretchen	Wallerich	94941	CA
Diane	Glim	93950	CA
susan	Getty	94110	CA
Serra	Hardy	93010	CA
Mildred	Gordon	92054	CA
Suzanne	Castle	90803	CA
Ron	Parsons	94080	CA
Lynda	Lahue	91356	CA
Jason	Strunka	92629	CA
Sheri	Kuticka	94518	CA
Mark	Reback	90042	CA
Ray	Morris	93308	CA
Amanda	Langston	92571	CA
sandra	Tullis	95125	CA
Celeste	Langille	94044	CA
David	Brown	92007	CA
marion	barry	95650	CA
george	graham	91910	CA
Lanier	Hines	94159	CA
ELEANOR	PRICE	94920	CA
Jeremy	Griffith	95073	CA
Camile	Getter	95819	CA
Leila	Raim	94930	CA
Susan	Watts	92506	CA
Judith	Gottesman	94915	CA
Deborah	Marks	95060	CA
Mary	Harringer	91607	CA
Henry	Rosenfeld	92506	CA

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Henry	Weinberg	93110	CA
Kate	Potluru	92120	CA
Michelle	Waters	95033	CA
jon	jovi	95816	CA
Patricia	Cachopo	95050	CA
Linda	Thompson	95073	CA
Zachary	Rosenfeld	92506	CA
Mateo	Toro	90038	CA
Dorothy	Bruckner	94558	CA
geoffrey	gearheart	92040	CA
Paul	Babbini	95401	CA
GARY	JONES	91108	CA
jane	LARSEN	92024	CA
Heather	Clough	93003	CA
Nancy	Smith	90401	CA
Kim	Workman	94114	CA
Todd	Snyder	94115	CA
Gene R.	Trapp	95616	CA
Rich	Moser	93109	CA
patricia	carter	95123	CA
namita	dalal	94022	CA
Guy	Guilbert	91401	CA
Kirk	Walser	95354	CA
Rachel	Wolf	95060	CA
Karen	Malley	92804	CA
Kit	Lofroos	94952	CA
Dawn	Havel	90034	CA
mary	rojeski	90405	CA
Julie	Slater-Giglioli	90046	CA
Alicia	Jackson, Ed.D.	94591	CA
Ruth	Leventhal	91606	CA
Barbara	Vigil	95648	CA
Vinny	Di Benedetto	91304	CA
Joan	Connolly	94707	CA
Mary	Naples	94965	CA
Chavel	Sherman	91103	CA
Heather	Morrison	85251	CA
anne	veraldi	94110	CA
Rick	Shreve	95521	CA
Julian	Yerena Jr	93648	CA
LESLIE	SHERIDAN	95422	CA
Vincent	Patti	90803	CA
Irene	Kraus	92692	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Ann	Moynahan	91913	CA
John	Meeks	95682	CA
Vicki	Caplan	91401	CA
Nathanial	Werner	90045	CA
Nancy L	Young	92637	CA
Rosemary	Graham-Gardner	90266	CA
Brian	Murphy	91423	CA
Jerry	Clymo	94587	CA
Ligia	Ercius-DiPaola	94002	CA
Michael	Cyr	91356	CA
Karen	Ornelas	90731	CA
Bria	Sterling	95125	CA
Robyn	Gillette	94707	CA
Sibylle	Westbrook	90065	CA
CAROLL	FOWLER	94541	CA
Keaven	Van Lom	96160	CA
tim	hamilton	94941	CA
Jan	Lawson	92260	CA
Nabeel	Saeed	95132	CA
marshall	krause	94904	CA
David	Egert	94930	CA
Laurie	Eisler	94931	CA
Lin	heidt	92109	CA
Deb	Castellana	94705	CA
Dana	Kaiser	91761	CA
Thomas	Conroy	90266	CA
Alice	Neuhauser	90266	CA
sally	abrams	94110	CA
George	Steinitz	91906	CA
Karen	Berger	91020	CA
Frederick	Yucht	95207	CA
Tim	Ryan	92624	CA
Ada	Sanchez	94112	CA
jon	grutman	90019	CA
Norma	Corey	94065	CA
Casie	Walters	91786	CA
Chris	Dawson	90293	CA
Brad	MARTIN	93777	CA
Franky	Lomeli	92069	CA
louise	dela cruz	95834	CA
Monica	Wiesener	91302	CA
Kathleen	Salerni	90732	CA
Elyse	Levy	94550	CA

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Karen	Burchett	91504	CA
Vic and Barby	Ulmer	95070	CA
K	Krupinski	90042	CA
Janice	Gloe	94602	CA
Jen	Martinez	94945	CA
robin	williams	92630	CA
Robert	Ellis	94607	CA
Carol	Sucheck	90230	CA
Judith	Anshin	95822	CA
Marijeanne	Sarraille	94565	CA
Janet and Mark	Thew	95650	CA
keefe	nghe	93004	CA
Benjamin	Sawicki	94608	CA
Ben	Martin	94040	CA
Gail	Hamilton	95445	CA
Karen	Ulring	94117	CA
Nancy	Kelly	93728	CA
Andy	Lupenko	91945	CA
Natalie	Aharonian	90029	CA
jed	fuhrman	90290	CA
Tracey	Kleber	90049	CA
richard	robinson	90266	CA
Janet	Girard	91722	CA
Lily	Lau-Enright	95819	CA
Susan	Hathaway	90660	CA
Sam	Gupta	92626	CA
Kaylah	Sterling	94107	CA
elaine	fitzgerald	94044	CA
Jana	Perinchief	95821	CA
Maia	Maia	93117	CA
Raven	Clarke	90210	CA
cea	higgins	94923	CA
Anaundda	Elijah	93401	CA
Nancy	eisman	94937	CA
Megan	Sutherland	94115	CA
Stacey	Wood	95405	CA
Martha	Sheriger	94930	CA
Walt	Kleine	94608	CA
Peter	Jacoby	92123	CA
laura	mendoza	90019	CA
Paul	Duhamel	94107	CA
Patricia	Bjorklund	95746	CA
Autumn	cleverley	93004	CA

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Brian	Magness	90027	CA
Nanlouise	Wolfe	95060	CA
Kellie	Dougher	95050	CA
Brenda	Haig	90803	CA
john f	martinez	90033	CA
Robert`	Reed	92530	CA
Allie	Bakaly	94061	CA
Gail	Roberts	91935	CA
gl	Stanford	92122	CA
Michael	Kolb	92028	CA
Linda	Lyerly	92007	CA
patricia	daniels	95521	CA
Graciela	Huth	90045	CA
Susan	Wayne	92354	CA
T	Sherrill	92845	CA
jane	goldman	94019	CA
Lisa	Annecone	95407	CA
ingrid	woods	94941	CA
Berry	Clarkson	95050	CA
melody	hamilton	95570	CA
Michael	Moeller	92545	CA
Sophia	Bursulaya	92029	CA
Linda	Jones	91762	CA
Stephen	Bohac	95383	CA
Jack	Coulehan	91764	CA
Mitch	Cohen	94709	CA
Karen	Downing	94555	CA
Joe	mueller	94930	CA
norma faith	rockman	90036	CA
Laura	Zaydel	94015	CA
Alvin	Stein	92263	CA
Lynn Ann	Leveridge	91401	CA
Kiran	Golden	94117	CA
Eileen	Harrington	94706	CA
Patricia	Blevins	95118	CA
Carol	Becker	91423	CA
michael	rifkind	95060	CA
Therese	DeBing	93950	CA
Michael	Archer	94558	CA
June	Souza	95322	CA
Linda	Pydeski	92870	CA
Pamela	Minarik	94044	CA
Jamie	LeDent	92107	CA

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Allison	Moffett	92821	CA
Timothy	Martin	94062	CA
diana	kliche	90804	CA
Jessica	Tektas	90036	CA
cheryl	fotia	92840	CA
Kim	Bacon	92123	CA
barbara	noon	92802	CA
victor	carmichael	94044	CA
nora	coyle	92807	CA
alison	merkel	91377	CA
Pamela	Connolly	94549	CA
frederique	joly	90291	CA
Michael	Mosesman	91214	CA
Alexis	Manning	93907	CA
carol	maehr	93940	CA
Jon	Rehfeld	94553	CA
Jeanne	Dancs Arthur	90290	CA
Dominique	Marquez	92506	CA
Candy	Rand-Riley	92107	CA
Cathy	McPeck	92264	CA
Luis	Lozano	90803	CA
Alvaro	Marin	90255	CA
Angela	Black	90740	CA
Richard	Takagi	92831	CA
Sue	Goodrich	92082	CA
Alison	Taylor	90069	CA
Ronald	Verhoorn	92104	CA
Rose	Braz	94110	CA
Jon	Povill	90290	CA
Angela	l	94523	CA
Susan	Head	94965	CA
david	simpson	92262	CA
Todd	Potochny	95616	CA
Tracy	Reigle	92007	CA
Kelsey	Baker	94945	CA
Cindy	Psareas	92612	CA
Michael	Todd	95747	CA
Marcia	Jones	95762	CA
Maris	Sidenstecker	95076	CA
Edie	Bruce	94530	CA
Lesley	Schultz	94610	CA
sandra	stewart	90291	CA
Linda	Bodian	94930	CA

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betty	murphy	90802	CA
Kyle	Ruggieri	94526	CA
judith	leon de arayaes	92110	CA
John	Wendell	95403	CA
Ute	Cordova	94114	CA
Louise J	Bowles	90807	CA
James	Doeppers	94941	CA
Christian	Heinold	94612	CA
Candy	LeBlanc	95667	CA
Jon	Blaze	91335	CA
Patricia	Marlatt	90068	CA
Jason	Winnett	94708	CA
Sharon	McCarthy	94901	CA
Galen	Hazelhofer	95834	CA
Laura	Miller	95003	CA
christa	ortman	94960	CA
Bernhard	Reutemann	93001	CA
Barbara	Hogan	94112	CA
Barbara	Milligan	94404	CA
BARBARA	MICHEL	94703	CA
Jim	Lansing	94133	CA
Susan	LeClair	95008	CA
Marla	Hoff	95350	CA
Apryl	Mefford-Hemauer	90405	CA
megan	fryman	94536	CA
Adolfo	Lopez	92110	CA
Debbie	Buckheim	93422	CA
Jody	Hansell	94608	CA
Leslie	McLean	92780	CA
Iris	Chynoweth	95345	CA
Alfred	Martinez	92236	CA
Catherine	Murty	94114	CA
Heather	Gamberg	94117	CA
Rebecca	Hoeschler	90245	CA
pat	turney	94542	CA
Michael	Charnes	95482	CA
Dan	Silver	90028	CA
Andromeda	Scheller	95355	CA
Stephen	Bartlett-Ré	94109	CA
KARINE	MATEVOSSIAN	91606	CA
Willard	Bohn	94708	CA
Randy	McNea	91977	CA
Michelle	Palladine	92262	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Claudia	Wornum	94605	CA
jenny	Schaffell	94707	CA
June	Mertens-Barber	94587	CA
Julie	Ford	92649	CA
robert	burkowski	91606	CA
Julie	Oatfield	94110	CA
Janet	McCalister	95969	CA
silvana	zelmanovich	01416	CA
Kirstyn	Werner	92506	CA
Jere	Wilkerson	93428	CA
Frank	Hill	91601	CA
mk	collingwood	94104	CA
John	Flitcraft	93428	CA
Jennifer	Johanson	95126	CA
Lorna	Farnum	90720	CA
Jill	Denton	93412	CA
JoAnn	Gerfen	93454	CA
Jeanne	Pitts	94063	CA
Kate	Baird	90802	CA
Rhonda	Lynn	95811	CA
Cleo	Borac	94044	CA
Edy	Rayfield	95017	CA
Gloria	Grotjan	95003	CA
Chris	Dunham	92673	CA
Joseph	Weinstein	90807	CA
Valesca	Harp	90069	CA
John	Oda	94115	CA
les	roberts	93704	CA
lloyd	Chiate	91602	CA
Deborah	Sweeney	93117	CA
Angelica	Vallin	94517	CA
Kyana	Jones	94704	CA
Nadine	Lauru	92870	CA
Lori R.	Lopez	91950	CA
julia	Russell	95864	CA
Yolande	Michaels	90290	CA
William	Wyatt	94618	CA
Jamie	Perkins	94577	CA
Stephen	Fischman	92691	CA
Mary	Foltz	94551	CA
Sara	Williams	92223	CA
Shirley	Soldavini	94945	CA
Lia	F	94611	CA

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Donna	Anderson	90045	CA
Arnold	Schildhaus	93110	CA
Diana	Schwab	90403	CA
fred	rinne	94112	CA
Camille	Gilbert	93101	CA
Linda	Mutch	93271	CA
Susan	Mayer	92109	CA
Damien	Luzzo	95620	CA
Mark	Petrofsky	94702 1137	CA
Keith	York	93003	CA
Michael	Braude	94025	CA
Diana	Van Ormer	92128	CA
Katherine	Foltz	94551	CA
Anthony	Montapert	93004	CA
Ruby	Mitchell	95014	CA
Anna	Thurman	93065	CA
Dale	Anania	94702	CA
trevor	fulks	93306	CA
Russell	Blalack	95014	CA
Courtney	Watson	92625	CA
Marie	Foose	94553	CA
Jamie	Kurnik	92672	CA
Pauline	Roche	92054	CA
Ms.	Lilith	93003	CA
michelle	sullivan	92865	CA
adria	silva	96160	CA
Mary Ann	Wilson	90024	CA
Judith	Smith	94601	CA
Dina	Monaghan	93614	CA
Bonnie	Stoehn	95060	CA
Abraham	Kovler	92110	CA
Debra	Gley	92679	CA
Tom	Lovering	95616	CA
Diane	Seaman	90403	CA
Anita	Coolidge	92007	CA
Ralph	Sanchez	95073	CA
Tiffany	Smith	94903	CA
James	Kirks	95973	CA
Samuel	Durkin	94534	CA
John	Kohler	94015	CA
arielle	hernandez	94501	CA
Dana	Mantle	95032	CA
Joanne	Harkins	90291	CA

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Jacquie	Bellon	95959	CA
Michelle	Morgan	92118	CA
Tristan	Halbert	93460	CA
Tonya	Kay	90036	CA
Lisa	Breslauer	95117	CA
Jeannette	Miller	92014	CA
Robin	Reinhart	92104	CA
david	smith	94115	CA
elena	borodin	96041	CA
linda	petrulias	95421	CA
Harvey	Stabbe	95763	CA
Ellen	Peterson	94705	CA
Gary	Carpenter	94044	CA
Zoe	Harris	94979	CA
Virginia	Hahn	94536	CA
Helene	Joseph-Weil	95125	CA
Barbara	Root	95519	CA
Dagny	SanMiguel	95814	CA
Kathryn	Zacharski	90815	CA
anthony	basso	94019	CA
Christina	Hodgkinson	94530	CA
Chris	Baral	94804	CA
Gustavo	Sandoval	94403	CA
Greg	Bohr	93405	CA
ann	lucas	93442	CA
David	Liu	94041	CA
Elizabeth	Bettenhausen	93428	CA
Julian	Siminski	91604	CA
Elizabeth	Settel	94941	CA
Bill	Greene	93448	CA
Misty	Mersich	95492	CA
Kati	Tobler	94610	CA
Susan	Hughes	90808	CA
Lori	White	95864	CA
Chad	Johnson	90813	CA
Monica	Goodpasture	94571	CA
Maryann	LaNew	92673	CA
Deborah	Peri	94930	CA
Colleen	Lobel	92126	CA
Miranda	Leiva	91423	CA
Deirdre	McDonald	94963	CA
Jen	Rios	95124	CA
Karen	Ratzlaff	95404	CA

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Charlene	Boysen	94044	CA
Nancy	Peterson	95066	CA
Elizabeth	Jarvis	94605	CA
Larry	Hale	94551	CA
Emma	Ausman	91602	CA
Suzy	Chersky	92708	CA
Bruce	McGraw	92104	CA
Maureen	McCoy	93465	CA
John	Teevan	91913	CA
Debra	Sherman	95409	CA
lisa	segnitz	95060	CA
Jeffrey	Hurwitz	94121	CA
Cristal	Samaguey-Garcia	93230	CA
Jeanne	Criss	92646	CA
Leotis	Foster II	94621	CA
Merrill	Dellas	95407	CA
jennifer	eickemeyer	93422	CA
Dianne	Bramwell	94924	CA
Lisa	Reed	95742	CA
Chris	Sutler	93307	CA
Shota	Hanai	90504	CA
janet	wiscombe	94903	CA
Debra	Rondeau	95404	CA
Christine	Stewart	92026	CA
amir	niknam	91325	CA
Joel	Hildebrandt	94705 1914	CA
fantina	fountouki	10468	CA
Barbara	Brady	92103	CA
kim	wright	92128	CA
Shoshanah	McKnight	95060	CA
Sandy	Gilbert	95014	CA
charles	falk	94913	CA
Stephen	Weitz	94619	CA
Nicole	Williams	95410	CA
Russell	Weisz	95060	CA
Elinor	Crescenzi	94805	CA
Lisa	Levinson	90265	CA
Karen	Daves	93063	CA
Joni	Newman	90712	CA
Debbie	rice	95667	CA
Carol	Wiley	92394	CA
toni	bernardo	90210	CA
Dominick	Falzone	90005	CA

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jackie	leon	91342	CA
jana	agua	95014	CA
sharon	duffy	92086	CA
Erika	Vadopalas	94038	CA
Lily	Arambula	92243	CA
Amber	Wills	95501	CA
David	Nason	96162	CA
Lynne	Williams	94704	CA
Mijanou	Bauchau	91301	CA
Ken	Greenwald	90404	CA
Emily	Chui	91754	CA
Rachelle	Ciceu	96001	CA
Jill	Koenigsdorf	95476	CA
Misty	McIntyre	94501	CA
Gyl	Elliott	91006	CA
Joanne	Brown	95018	CA
Steve	Mason	94502	CA
Brian	Lee	92054	CA
Vanessa	Barrett	90042	CA
Maryellen	Redish	92264	CA
Ulrike	Burgin	92037	CA
Valerie	Haak	94596	CA
Jeannette	Sumner	95401	CA
Nancy	Eichler	94608	CA
Christina	Boston	95442	CA
Linda	Harrou	94606	CA
Hale	Tokay	94602	CA
Deborah	Taylor	95112	CA
Luke	Asbury	93003	CA
Matt	Lee	95124	CA
Carla	Montagno	93614	CA
John	McKee	91335	CA
cindy	kamm	94941	CA
Brian	Scholz	95065	CA
david	loudenback	90293	CA
Lisa	Butterfield	95501	CA
Taylor	Martin	90501	CA
Summer	Wahilani	94544	CA
Barbara	Robbin	91604	CA
Anna	Parker	93726	CA
Toby	McGuire	95219	CA
probyn	gregory	91042	CA
Noelle	Latona	95843	CA

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Dylan	Busse	91302	CA
Gail	Lester	94901	CA
Amy	Hanks	94952	CA
kirk	seidensticker	90254	CA
Michele	Meyer	94590	CA
Sherry	Marsh	92056	CA
Ariane	Schmidt-Clausius	93101	CA
Ranko	Balog	92603	CA
Patricia	Matejcek	95063	CA
Debbie	Sturt	93950	CA
julie	sasaoka	94518	CA
Jeanne	Faulkner	95062	CA
Alexis	Morris	94122	CA
Malcolm	Groome	90290	CA
Sparrow	McMorran	92007	CA
Christopher	Hillman	94952	CA
Stefani	McCleary	92083	CA
marjolein	bruinen	94709	CA
Richard	Harvey	93446	CA
Barbara	Harper	95012	CA
Kim	Metzger	94960	CA
Melissa	Gonzalez	94954	CA
Michelle	MacKenzie	94070	CA
rolf	naujokat	94619	CA
Jennifer	Gummerman	92627	CA
Geoffrey	Cook	94704	CA
deirdre	brownell	91504	CA
Elinor	Vega	92345	CA
Patti	McCauley	95531	CA
rebecca	koo	95129	CA
John	Carroll	95624	CA
molly	mclaughlin	92604	CA
Marian	Petersen	96001	CA
Kris	Head	92843	CA
Jinx	Hydeman	92679	CA
Eric	Hopson	95385	CA
Jean	varda	95949	CA
daniela	iftimie	92057	CA
brock	cahill	90291	CA
Lynette	McLamb	94933	CA
Sharon	Ryals Tamm	94707	CA
Rachel	Sage	93924	CA
Terrell	Rodefer	91405	CA

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Jim	Brown	90034	CA
Robert	Thornhill	90042	CA
Christoe	Duray	92084	CA
A.J.	Averett	91941	CA
bev	lipson	94121	CA
Anthony	Salguero	90029	CA
Billy	Arcila	91106	CA
blessing	kobey	94596	CA
Kent	Minault	91423	CA
Tom	McCarter	95134	CA
William	Peterson	90065	CA
Sampson	Chan	94132	CA
Pete	Cox	91342	CA
Carina	Chadwick	91206	CA
Steve	Olson	95003	CA
Nan	Bongiovanni	92008	CA
Charlene	Henley	95136	CA
natalie	ralston	92507	CA
Michael	Ames	94546	CA
Jason	Bowman	95843	CA
Camina	Tripodi	93420	CA
APOSTOLOS	PAPAPOSTOLOU	92612	CA
Bernice	Precourt	92503	CA
Caroline	Netzorg	90039	CA
Shelley	Radziminski	92129	CA
Lindsey	Stevenson	91357	CA
Suzanne	Atlas	94134	CA
Pat	cuvIELlo	94064	CA
Morris	Chay	95405	CA
Gina	Felicetta	91602	CA
franchezska	zamora	91106	CA
sophie	snyder	90066	CA
Jitse G.	Harder	02903	CA
Tom	Falvey + 5 others	92104	CA
kris	wolf	94952	CA
John	Steponaitis	94109	CA
Linda	Dragavon	94114	CA
Anne	Kaerer	95118	CA
GERHARD	ECKARDT	95207	CA
thomas	alexander	95971	CA
Thea	Spaanstra	90263	CA
sanja	dimitrijevic	92118	CA
Audrey	Mannolini	92646	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Kim	King	95959	CA
Kathryn	Hughes	90210	CA
Pauline	Scott	SW170QQ	CA
Cara	G	94110	CA
marianne	ewing	94924	CA
JUSTINE	TILLEY	90066	CA
Kathy	Harris	92131	CA
Russ	Person	93463	CA
UJ	Sandhu	95490	CA
janet	williams	95391	CA
mary	Tester	90291	CA
Devlon	Clouser	94949	CA
Mir	Bahmanyar	91406	CA
Michael	MendunoI	9470)	CA
Nancy	Martin	94020	CA
Mitchell	Field	92014	CA
Kyle	Chidester	94117	CA
Regina	Taylor	91744	CA
Andrea	Wong	94110	CA
Rachel	Stamps	94550	CA
Karl	Koessel	95525	CA
Corrine	Martinez	93063	CA
Donna	Luna	95403	CA
Gary	Wilkerson	93428	CA
Beatrix	Schramm	92109	CA
Robert	Umbreit	94611	CA
Shawnee	Canjura	94111	CA
Lorena	Retana-Leal	90280	CA
Patricia	Nisbet	92117	CA
Elaine	Genasci	93405	CA
Cynthia	Fernandez	94801	CA
Ruth	Clifford	95126	CA
Adam	Trauger	90815	CA
Catherine	Lanzl	92024	CA
Elaine	Benjamin	91901	CA
Jack	Hamlin	92106	CA
John	Etter	93908	CA
Tonantzyn	Beltran	94960	CA
Heather	Kerr	95120	CA
kimberly	skrobiza	92075	CA
steve	holzberg	95630	CA
Douglas	Kiefer	94706	CA
Chris	Colombana	94521	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Sandy	Neumann	94925	CA
Michael	Hogan	92037	CA
Jill	Mulato	92691	CA
Rolando	Garcia	93001	CA
Brian	Armer	93304	CA
scott	wolland	94602	CA
MELISSA	WITTE	94960	CA
Isabella	La Rocca	94703	CA
Lori	Tigner	92887	CA
Jean	Gladstone	95501	CA
Mark	Feldman	95401	CA
Margaret	Fish	95415	CA
Linda	Schmid	94043	CA
Owen	Derby	94577	CA
Kristina	Long	92027	CA
Jeanne	Slominski	94954	CA
Eva	Anda	93111	CA
Cheryl	Lewis	94102	CA
amanda	scholz	95062	CA
frieda	zolan	94903	CA
Merick	Chaffee	95825	CA
Jana	Pendragon Bowdish	90807	CA
Edith	Tsacle	95355	CA
Jim	Irving	95112	CA
Robert Tim	Nixon	93950	CA
Scott	Nelson	94511	CA
Camille	Curran	95667	CA
Susan	Nelson	92688	CA
MARINA	MICHEL	93402	CA
Leslie	Fowler	95014	CA
Ravi	Madapati	94041	CA
David	Comfort	95404	CA
Helena	Freeman	90024	CA
Rob	Seltzer	90265	CA
Ron	McGill	92602	CA
Barbra	Kerr	95383	CA
Sam	Fargnoli	90034	CA
Tom	Wisniewski	92806	CA
Mona	Banning	95127	CA
Lexi	Yang	93065	CA
Tom	Browne	94536	CA
Amy	Gordon	93066	CA
Megan	Barber	92106	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Carol	Lowe	96001	CA
Kathleen	Tarlow	95350	CA
J.J.	LASNE	94606	CA
Wendy	Muir	93003	CA
Leonie	Tremaine	92056	CA
Elaine	Yeh	95482	CA
Richard	Thomason	91910	CA
Shannon	Catt	94534	CA
Vic	Bostock	91001	CA
Katie	Regnier	94553	CA
Elmer	Hill	95831	CA
Julie	Owen	95618	CA
Nick	Chill	92023	CA
gerrit	woudstra	91126	CA
Joan	Marks	93561	CA
Kristin	Lee	92008	CA
sun	Cho	90036	CA
Jo	Podvin	94606	CA
olympia	bravo	92377	CA
Michael	Mcculley	94510	CA
Donald	Taylor	95628	CA
Marci	Yellin	94110	CA
Elizabeth	OHara	95678	CA
linda	black	92624	CA
Al	Alvarez	92627	CA
Jennifer	Wheeler	94952	CA
Margaret	Herbelin	95501	CA
Kate	Burroughs	95472	CA
david	gross	95946	CA
Raquel	Rodriguez	91103	CA
leslie	r	90069	CA
Larry	Miller	90212	CA
Marta	Fernandez	94114	CA
Beverly	Odom	95628	CA
Deborah	Hirsch	92264	CA
Sean	McMahon	94804	CA
Jeffery	Garcia	95460	CA
tay	Coban	90035	CA
sally	Beauford	94933	CA
Ernie	Walters	94587	CA
Matthew	Carlstroem	94707	CA
Christina	Babst	90069	CA
Liz	Cook	95616	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Karen	Kirschling	94117	CA
Nancy	Gooch	93555	CA
Julia	Adkins	94559	CA
Cassie	Yeager	91203	CA
Craig	Holmes	91016	CA
Deborah	Filipelli, Ph.D.	95497	CA
tina	anderson	95678	CA
Jeff	Thayer	92117	CA
Charlotte	Naufahu	95926	CA
Emily	Zwaal	93030	CA
Charles	Smith	95136	CA
Susan	Weyrauch	95023	CA
Marcia	Bender	92029	CA
Bridgette	Garcia	92651	CA
Dr. Miriam and Paul	Ellis	95060	CA
Leslie	Hicks	90035	CA
Michelle	Carter	94104	CA
Susan	KIng	94521	CA
Fong Chuan	Mo	95482	CA
Molly	Mendez	94561	CA
Ann	Bein	90064	CA
Catherine	Loudis	94960	CA
Laurel	Brewer	93021	CA
joan	johnston	94596	CA
Kemberly	Molina	91755	CA
amanda	schwartz	91411	CA
Georgie	Bergeron	93255	CA
Daniel	Ackerstein	95061	CA
Polly	O'Malley	90025	CA
Joseph	Barnett	90028	CA
Juliet	Lamont	94709	CA
Dolly	Arond	91343	CA
ken	stack	90026	CA
Gail	Worth	90274	CA
christine	garcia	94115	CA
robert	saulino	95062	CA
Margaret	Adams	91602	CA
Lydia	Clark	95454	CA
Dr. Icia	Belchak, DC	91030	CA
Herb	Stern	92106	CA
John	Ribeiro-Broomhead	94131	CA
Rebecca	Harper	90049	CA
Saran	Kirschbaum	90035	CA

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Kristin	Reed	94121	CA
Alisa	Zych	92007	CA
William	Sickmiller	95240	CA
S.	Hodges	95819	CA
Aimee	Brant	92064	CA
Tatiana	Maltez	90003	CA
Richard	Puaoi	94949	CA
Ali	smith	94111	CA
Holly	Luban	93422	CA
Jamuna	Llewellyn	95436	CA
Jeanne	Greene	95928	CA
Eric	Womack	92626	CA
Alejandro	Lopez Ortega	91106	CA
Amber	Dooley	94928	CA
Melinda	Kennedy	92009	CA
Cindy	Bassman	91602	CA
Charlene	Root	90602	CA
Ruth	Dyke	95631	CA
Gladys	Eddy-Lee	92115	CA
Phaedra	Kossow-Quinn	95521	CA
Charles	Ivor	95445	CA
Lucia	Ladman	91913	CA
Kathryn	Pierce	95827	CA
Lindsey	Loperena	95060	CA
Chris	Mills	92363	CA
Madison	Haley	96161	CA
Lori	Kegler	90731	CA
Susannah	Kegler	90731	CA
Robin	Kegler	90731	CA
Teresa	Morris	90731	CA
John	Kegler	90731	CA
Tyler	Kegler	90731	CA
Ezmeralda	Landeros	90031	CA
Mark	Hirshfeld	93003	CA
janet	walp	94947	CA
Mary	Nelson	92691	CA
Tracy	Williams	90403	CA
Gabriela Rodriguez	Rodriguez	91766	CA
Elizabeth	Cole	94010	CA
Nadine	Weil	94109	CA
Suzanne	Morrow	95060	CA
Tricia	Philipson	94506	CA
Christina	Marx	90295	CA

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Rhe	Damon	91302	CA
Richard	Wightman	91006	CA
Tabitha	Beard	92869	CA
Rod	Gummerman	92627	CA
D.	Singer	00009	CA
nicky	melville	03953	CA
Luz	Huerta	90210	CA
Laura	Sneddon	95032	CA
Ken	Oberlander	92116	CA
Linda	Harrington	94707	CA
susan	rudnicki	90266	CA
Nikki	Nafziger	94590	CA
Joe	Buhowsky	94582	CA
Albert	Chung	94545	CA
Steve	Lustgarden	95062	CA
Devon	Paoli	94901	CA
Kristen	Conner	94806	CA
Anne	Hoff	94553	CA
anna	krohn	94014	CA
Robert	Miller	92656	CA
Barbara	Lowden	90630	CA
Sakura	Vesely	94553	CA
romelia	salomon	92122	CA
A.	Principle	90265	CA
Cynthia	Neill	95442	CA
Paula	Sneddon	93953	CA
Susan	Warner	93460	CA
Brandy	Schumacher	95610	CA
Callie	Riley	95610	CA
Virginia	Tong	94123	CA
Carol	De Hart	93446	CA
Joyce	Branaman	95014	CA
Ellen	Pifer	91311	CA
Jeffrey	Zankel	95473	CA
Laura	Riley	95610	CA
Marlene	Zamora	90638	CA
Kristy	Porteous	92109	CA
Jena	Rose	94901	CA
CARMEN SÁNCHEZ	SADEK	90034	CA
maria	muldaur	94941	CA
Israel	Valdez	95159	CA
nicolas	lubitz	90095	CA
Alexander	Gaya	94303	CA

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
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Valerie	Baughner	92672	CA
Derek	Dupuis	92672	CA
Marian	Hardin	94015	CA
Florence	Robin	95616	CA
barbara	diaz	91747	CA
M.	Delatte	90803	CA
Michael	White	90059	CA
Richard	Sternberg	90272	CA
Tessa	Coupar	03155	CA
Carol	Hiestand	92252	CA
Meewin	Chang	95482	CA
Dianne	Miller	92103	CA
Rick	Cullen	94952	CA
William	Peer	91001	CA
Amanda	Withrow	90065	CA
Daniel	Lemieux	92886	CA
Sandy	Zwick	92886	CA
Betty	okrent	93004	CA
Carly Clements	Owens	94507	CA
sara	wilson	90210	CA
Lance	Hailstone	92626	CA
Mika	Stonehawk	92782	CA
Claire	Chambers	92563	CA
Sheila	McGovern	93010	CA
Michelle	Perez	94086	CA
Robyn	Sherrill	94951	CA
Johnny	Blan	94014	CA
joyce	kolasa	93265	CA
Rob	Helphand	90405	CA
Kathy	Lytle	95403	CA
Barbara	Boals	95682	CA
sylvia	rabb	33319	CA
Taryn	Cadena	95060	CA
Theda	Ray	90502	CA
Michael	Johnson	94549	CA
Roger	Wachtler	94707	CA
Barbara	Greenwood	94596	CA
David	Seifert	94804	CA
Sharon	Ona	93012	CA
Davin	Peterson	95501	CA
Kathleen	Hopkins	94610	CA
Ralph	Boniello	94530	CA
david	ely	94702	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)**

Alex	Dementsov	92037	CA
Dorothy	Kemeny	90808	CA
Paris	sneider	92270	CA
Ricky	Twist	95821	CA
TIFFANY	INO	91770	CA
Terry	Tenzing	94044	CA
Jane	Kelsberg	94509	CA
Martha	Ashton-Sikora	94501	CA
Alexander	Kalkanis	94530	CA
Clark	Natwick	94044	CA
Rhonda	Weir	90746	CA
Michael McAllister	Lyon	94965	CA
Mark	Hardin	95124	CA
Erica	Heimberg	94973	CA
Sarah	Hafer	95864	CA
Constance	Franklin	90026	CA
April	Quigley	95531	CA
ralph	meyberg	95060	CA
Christine	Bassett	95472	CA
Terelle	Terry	95833	CA
Emilia	Burchiellaro	94956	CA
ronda	carter	94102	CA
Andrea	Adams	93727	CA
john	harris	94565	CA
Tatiana	Torres	90099	CA
Nelly	Lopez	11001000	CA
Madelaine	Burgess	94521	CA
Monique	Mancilla	93001	CA
Anjulie	Pugmire	95624	CA
Nina	Wouk	94025	CA
Sandra	Nealon	92651	CA
Cheryl	Palmer	93103	CA
Sabine	Bradley	90029	CA
Robert	Kessler	94610	CA
Vicki	Wiker	92672	CA
DANA	PIFER	94044	CA
Ruth	Bird	94702	CA
Sally	Wieland	95490	CA
Sue	Fox	94966	CA
William	Komoto	94596	CA
Janet	Klasey	94598	CA
wendy	weikel	94707	CA
Margaret T	Amato	95035	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Faith	Strailey	95971	CA
Karen	Fiorito	90013	CA
Nicole	Ventura	90403	CA
ricky	lacina	94606	CA
Ellen	Franzen	94710	CA
W	Gish	91201	CA
Jennifer	Hayes	95350	CA
susan	Lane	66330	CA
Kathleen	Gallant	90064	CA
Monica	Lucas	95006	CA
Barbara	Ginsberg	95060	CA
DONNA	WIECKOWSKI	93001	CA
Dawn	Nelson	92115	CA
Joyce	Robinson	92592	CA
Diane	Rooney	94530	CA
MARIA	GODDARD	93720	CA
Tamara	Stellanova	94702	CA
Sara	Gigliotti	94965	CA
Barbara	Williamson	94706	CA
Katie	Franklin	93402	CA
Kathryn	Hannay	95039	CA
daniele	boucher	94805	CA
Eleanor	Laubly	95442	CA
Antonia	Vanoni	94801	CA
Danny	Castori	94517	CA
Kristi	Hutchison	93710	CA
Crystal	Whitehead	91104	CA
George	Grace	90027	CA
Brenda	Ross	90245	CA
Clayton	Graham	95864	CA
Ellen	Whitten	94117	CA
William	Hewes	93063	CA
nathaniel	nealley	94949	CA
Sienna M	Potts	95420	CA
danny	molina	93013	CA
Nick	Rodin	95073	CA
Sandra	Dee	92008	CA
sandra	sheehy	94102	CA
Patrick	Rivera	93021	CA
Albert	Chen	94303	CA
Kathie	Kingett	90631	CA
Sharma	Gaponoff	95949	CA
Scott	Henry	95008	CA

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Jeris	Turner	93036	CA
Lawrence	Thompson	94550	CA
Amy	Green	94110	CA
Carol	Taylor	95553	CA
Margaret	Simonsen	94591	CA
Christine	Berchen	95410	CA
Abigail	Usita	95148	CA
Julie	Brickell	92832	CA
Bob	Poppe	91103	CA
Joanne	Anderson	92033	CA
Deborah	Dodd	95816	CA
Liz	McCamon	90680	CA
Richard	Watson	95816	CA
Anthony	Arata	94402	CA
Earla	Kirkwood	94619	CA
Ecology Center of	Southern California	90035	CA
Brian	Casey	95817	CA
D	Sparrow	95670	CA
Brett	Peters	93065	CA
Mary	Warner	94611	CA
Barbara	Perez	92672	CA
Emily	Storar	95822	CA
LOUISE	DENISH	94901	CA
Descendants	Oftheearth	93032	CA
Bente	Hammer	95128	CA
Cynthia	Sugawara	94112	CA
Carolyn	De Mirjian	91401	CA
Beth	Bosk	95410	CA
Sunshine	Taylor	954120	CA
John	Sakowicz	95482	CA
Anna Marie	Stenberg	95437	CA
maria	fonseca	95207	CA
Deborrah	Cooper	94588	CA
Lisa	Chiapero	95437	CA
Henrietta	Bensussen	95437	CA
dobby	sommer	95410	CA
Janet	Scalise	91024	CA
Mary Rose	Kaczorowski	94709	CA
raya	smith	94960	CA
John	Trefil, MD	95410	CA
Sharon	Paltin	95454	CA
Hillary	Smith	94954	CA
Adam	Boswell	92104	CA

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)**

Elizabeth	Monticue	94044	CA
Tonya	Baut	92392	CA
tiffany	fleischmann	95403	CA
Sheila	Ollar	92691	CA
Lynn	Ashworth	91912	CA
angie	emery	92201	CA
Jayne A	McCollough	95062	CA
June	Ko-Dial	94602	CA
Carolyn	Crow	94010	CA
Catherine	Sanchez	95020	CA
dustin	howland	95258	CA
Colleen	Proppe	94960	CA
Linda	Landis	90731	CA
Candice	Morey	92530	CA
Todd	Steiner	94933	CA
patricia	mulkey	80904	CO
Martha	Lankton	80305	CO
Stephanie	Smith	81301	CO
Rakesh	Chandranatha	80401	CO
Richard	McKee	80503	CO
David	Cain	80026	CO
Taylor	Jones	80206	CO
Lonnie	Petrie	81019	CO
Sherry	Benson	80487	CO
Katherine	Kautz	80233	CO
Bridget	Fitzgerald	80130	CO
David	Burns	80027	CO
Penny	Morrow	80004	CO
Paula	Hansen	80033	CO
Dolores	Candelaria	81007	CO
Meriel	Meehan	80212	CO
Molly	Noland	81240	CO
Beverly	Reeves	80401	CO
Julius	Lisi	80526	CO
Kathryn	Rose	80205	CO
Susie	Fishman	81632	CO
Cynthia	Warwick	80528	CO
Judith	Heideman	81419	CO
Annie	Brock	82072	CO
willis	gravelle	81623	CO
Sara	Avery	80026	CO
Carole	Hossan	80524	CO
Marie	Regan	80020	CO

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Cameron	Coffman	80202	CO
Kim Anne	Schreiber	80002	CO
Katie	Cahill	80124	CO
Genevieve	Jacobi	80301	CO
Michelle	Fuller	80120	CO
Jonette	Bronson	81435	CO
Carrie	Hogaboom	80905	CO
Matthew	Whitcomb	80230	CO
Eric	Rechel	81503	CO
Gail	Caswell	94109	CO
Stacey	Larson	80126	CO
Julia Marie	Gillett	81432	CO
Gary	Buehler	80026	CO
kimberly	barker	80909	CO
Jerome	Schaack	80230	CO
Karen	Naiman	80222	CO
Grace	Cross	80527	CO
Nancy	Gregory	80104	CO
Gary	Peterson	80540	CO
Linda	Drescher	80401	CO
Bjoern	Mannsfeld	80205	CO
Kathy	Jacobs	80526	CO
Chuck	Marcovecchio	81005	CO
Cindy	Ilgen	80104	CO
David	Perry	80223	CO
Josi	Gebhardt	80121	CO
Christina	Anderson	80302	CO
Karel	Hadacek	80241	CO
Kim	Croft	80907	CO
Dr. G. Blu	Wagner	80226	CO
peggy	wewellman	80228	CO
Kurt	Bailey	80863	CO
Leland	Chambers	802367	CO
Edward	Laurson	80235	CO
Ozy	Licano	81058	CO
Sharon	Poessel	80003	CO
Richard	Spratley	80020	CO
Margaret	Lohr	80022	CO
Hugh	Sanborn	80525	CO
Annemarie	Prairie	80303	CO
Zachary	Whitman	80521	CO
Megan	Roemer	80306	CO
Erin	Vangilder	80228	CO

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jesssica	fishman	81632	CO
Ashlee	Davis	80202	CO
Arnold	Schultz	80012	CO
Dusty	Dodge	80439	CO
Barbara	Parr	80516	CO
Zelime	Gizzi	80905	CO
Terri	Winter	80440	CO
Mary	Ferraro	80010	CO
david	friend	80220	CO
Nancy	Bruny	80234	CO
Virginia	Wood	80304	CO
Hildegard	Hix	80004	CO
Cecily	Anne	81403	CO
Mary	Morse	80260	CO
susan	sebanc	80303	CO
Anne	Gerster	80401	CO
Andrea	Giolli	80013	CO
Katherine	Hansen	80521	CO
Sherry	Crane	80239	CO
doris	kunz	10997	CO
Julija	Merljak	80440	CO
Susan	Wolinsky	80203	CO
Holly	Kennedy	80403	CO
Dara	Tallmadge	80033	CO
Elisa	Townshend	80206	CO
Jill	Vickerman	81226	CO
Elisa	Robyn	80004	CO
Ginny	Griffin	80424	CO
Nanci	White	80233	CO
Shelly	Young	81222	CO
Kelsey	Thomas	80027	CO
Margaret	O'Rourke	80007	CO
Debbie	Brush	80104	CO
Diane	Vogelman	81632	CO
Adam	Ward	80035	CO
sheryl	Gillespie	80209	CO
Dorshka	Wylie	80304	CO
chris	ocean	12871	CO
jim	beckenhaupt	80903	CO
V. John	Bonner	81524	CO
Brian	Field	80260	CO
Judy	Wood	80538	CO
Georgia	Mattingly	80504	CO

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Kelly	Lyon	80302	CO
Ellene	Duffy	80403	CO
Chris	Mullen	80631	CO
Kyle	Hall	80401	CO
MIitchell	Gershten MD	81428	CO
Anita	Rae	80516	CO
Gayle	Brown	81301	CO
Rebecca	Operhall	80918	CO
Bonnie	Rozean	81301	CO
Robey	Frasche	80206	CO
Lindsey	Stavile	80457	CO
Kate	Ramirez	81623	CO
Martha	Izzo	80439	CO
lisa	Maragon	80206	CO
Marnie	gaede	81154	CO
Doug	Harness	80215	CO
Ragen	Serra	80224	CO
JAKE	HODIE	81611	CO
Darrick	Christodaro	80226	CO
Alison	Gibbs	80227	CO
Juanita	Rivers	80123	CO
lisa	ross	80452	CO
Beth	Copanos	80002	CO
Frances	FrainAguirre	80211	CO
Judy	Lubow	80504	CO
Robert	Honish	80223	CO
Laura	Waterworth	80012	CO
Maya	Kurtz	81601	CO
Leslie	Chouinard	80127	CO
Hilary	Penner	80133	CO
Jason	Walker	80128	CO
Beate	Dietrich	80907	CO
Shelly	Wallace	80233	CO
linda	smyth	06082	CT
Kevin	Hughes	06470	CT
Heather	Files	06615	CT
J	M	06514	CT
Danielle	De Costanzo	06880	CT
Todd	Hansen	06108	CT
Jerry	Sawyer	06615	CT
susanna	sziraki	06478	CT
Gordon	Bates	06416	CT
harold	meyer jr	06794	CT

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Tiffany	Witmer	06902	CT
Catherine	Thomson	06443	CT
Ruth	Gross	06525	CT
Richard	Weisberg	06850	CT
Pat	Gentle	06511	CT
Thomas	Adamski	06478	CT
Debbie	Kearns	06118	CT
Juan	Antelo	06111	CT
Stephanie	Latham-Magee	06053	CT
Ken	Martin	06470	CT
Ann-Marie	Brochu	06226	CT
Julia	Baker	06905	CT
robert	gerosa	06812	CT
Amy	Hopkins	06437	CT
Lisa	Koehl	06234	CT
Rosamund	Downing	06379	CT
Lisa	Collon	06483	CT
Sean	McQuilken	06357	CT
Karen	Malaney	06460	CT
Debbie	Koundry	06460	CT
Marie	Dutto	06790	CT
Jean	Thorsen	06320	CT
John	Curotto	06262	CT
Country	Maron	06524	CT
cat	tailer	06457	CT
Cindy	Guarnieri	06905	CT
Charles	Nichols	06804	CT
David	Starr	06418	CT
Ellaine	Lurie Janicki	CT	CT
Jeanne	Dutto	06790	CT
Deborah	Dahlgren	06416	CT
susan	donnel	06384	CT
Patricia	Austin-Puccio	06853	CT
Maggie	Bloom	06359	CT
Michael	Rosa	06117	CT
Shannon	Ehle	06108	CT
M	M	06333	CT
Rebecca	Regnery	20037	DC
Garrett	Cain	12345	DC
Catherine	Riedo	20015	DC
Charles	Ellis	20009	DC
Shane	Worth	20007	DC
Kenneth	Hittel	20007	DC

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robert	hughes	20024	DC
Shalia	Washington	20001	DC
Jared	Cornelia	19804	DE
Carol	Collins	19904	DE
Christopher	Hamilton	94706	DE
Lisa	Gosnell	19947	DE
Dennis	O'Brien	19968	DE
Eve	Saglietto	85764	DE
Jo	Liégeois	02930	DE
Andrea	Potocny	19711	DE
Edith	Coleman	19805	DE
Lisa	Mazzola	33612	DE
peter	pray	19943	DE
Bruce	Abbott	19702	DE
Doreen	Loch	69256	DE
Angela	Smith	33442	FL
BEATRIZ	KOHN	33009	FL
margaret	silver	32233	FL
ron	silver	32233	FL
Alecia	Folsom	33810	FL
Jim	May	33901	FL
SHIRLEY	ROBINSON	34614	FL
MICHELE	EDMONSON	33549	FL
Cliff	Josephson	34112	FL
William	Becker	33311	FL
Mercedes	DiMaio	33607	FL
Geoffrey	Clark	33609	FL
Carol	Mercer	34281	FL
Cynthia	Adams	33122	FL
Lexy	Wootton	32541	FL
Peter	Germuska	32608	FL
Lisa	Macmillan	34715	FL
Richard	Rothstein	34202	FL
C.J.	Fogarty	32117	FL
Alyssa	Broughton	33418	FL
Bill	Both	34788	FL
H	Hollon	32806	FL
Janell	Curtis	34953	FL
Christeen	Anderson	32539	FL
Benjamin	Joannou Jr	33156	FL
sheri	cutright	82086	FL
Teresa	Jaeger	32824	FL
candy	leone	33330	FL

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Cathy	Greer	32114	FL
Rosalind	Parneix	32137	FL
Richard	Fowlkes	32459	FL
Vic	Anderson	33880	FL
Karen	Spragg	34434	FL
Claudia	Miranda	32746	FL
Patricia	McDonald	32792	FL
Brig	Leas	33411	FL
sandra	fobb	33032	FL
Lydia	Kennedy	32966	FL
Irena	Franchi	33160	FL
Maria	Mcmahon	33196	FL
Jean	Corcoran	34689	FL
Robert	Purvis	33069	FL
Nancy	Kirby	34476	FL
John	Champine	34241	FL
Spencer	Wulwick	33311	FL
Christopher	Sullivan	34120	FL
Scott	EVans	33081	FL
Doug	Landau	33707	FL
Steven	Combes	32086	FL
Lindsay	Johnson	32092	FL
Allie	Tennant	33905	FL
Michelle	Kehm	33157	FL
Harold	Grubb	32821	FL
Danielle	Phelps	33172	FL
Luis	Tirado	32605	FL
Matthew	Haehl	32751	FL
EDWARD	CUBERO	33139	FL
Rob	Tierney	32118	FL
Nancy	Burch	33317	FL
Robert	Posch	33334	FL
Beverly	Lane	32909	FL
Brian	White	34202	FL
joann	wallace	33445	FL
Laurie	Hein	34446	FL
Genevieve	Woolsey	33510	FL
Jan	Novotny	32250	FL
kristina	harper	33306	FL
Carol	Hill	33015	FL
kyria	joyner	33598	FL
Elsie	Medin	33134	FL
Sid	Kemp	33431	FL

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Cynthia	Strousberg	32417	FL
jim	whitehead	32176	FL
fundacion	COLOMBIA	11139	FL
Hugh	Havlik	33952	FL
Harriet	Martinez	33825	FL
melinda	ramsey	32344	FL
Drew	Martin	33460	FL
Janet	White	32927	FL
Eileen	Snitzer	33021	FL
Bev	Griffiths	33569	FL
Ariel	Figueroa	32792	FL
Donna	Kendall	32308	FL
German	Mendez	33155	FL
Keara	Clancy	33076	FL
ken	gunther	33478	FL
Lisa	D'Antonio	33414	FL
Patricia	Pointer	34476	FL
Gwenn	Schemer	33414	FL
Linda M.	Butler	33983	FL
Becky	Binder	34957	FL
austin	manchester	33840	FL
Val	Dearcangelis	32091	FL
Arturo	Franco	33310	FL
Mayra	Luria	33312	FL
Betty	Shiley	34428	FL
Patricia	DiLorenzo	33020	FL
melissa	herron	34210	FL
Maureen	Alfonso	32708	FL
Marissa	Bill	33972	FL
Diane and Jerry	Tabbott	32211	FL
Katherine	Vale	33149	FL
Alan	Strowd	32312	FL
Tammy	Lettieri	33442	FL
Andra	Heide	32533	FL
Kerstin	Green	33324	FL
Mary Lou	Hall	33462	FL
Rob	Joros	33040	FL
Vaughan	greene	32413	FL
Kimberley	Stoecklein	33617	FL
Kathryn	Younkin	33704	FL
Helen	Scott	33408	FL
Wally	Burke	33455	FL
Claire	Insley	33706	FL

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Nia	Cherrett	32792	FL
Sarah	Mullins	33186	FL
Francis	Reining	34145	FL
alisa	battaglia	33331	FL
Suzanne	Skillman	32566	FL
Tony	Marra	32327	FL
Ronald	Baltrunas	33763	FL
Kellee	Herington	34219	FL
larry	mix	32778	FL
shirley	walter	34481	FL
victoria	meyers	32771	FL
Mark	Battiste	32607	FL
Peggy	Parlefsky	32940	FL
Nicole	Wilke	426-1250	FL
Gerald	Swanson	32168	FL
Carolyn	Kiel	32127	FL
Chaplain.Isaac	Lopez	33126	FL
Susan	Farnsworth	32136	FL
Grant	Campbell	33312	FL
Ois	Hemm	32835	FL
Jeffrey	Arto	33020	FL
R	MCHAM	33408	FL
G	Reynolds	34231	FL
Matt	McLeod	32147	FL
Barbara	Fite	33548	FL
Elena	Jurgela	32927	FL
kelly	holloway	85022	FL
Colonel	Meyer	34286	FL
Magdalena	Mazurek	34145	FL
Dagmar	Grabsch	32085	FL
April	Wilk	32821	FL
Frank	Hunter	34113	FL
Marie-Paule	Vanderhoeft	03210	FL
Alexandre	Palazzo	33178	FL
Kay	Quackenbush	34698	FL
John	Roig	33428	FL
Jack	Siegel	34201	FL
Wade and Betty	Matthews	34231	FL
Jen	H	32405	FL
Elizabeth	Horvath	32327	FL
Roseann	DiVicino	34668	FL
Ivana	Grmoja	31543	FL
felicia	peters	34135	FL

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Stacey	McGrath	33487	FL
Joseph	Brown	32210	FL
Pat	Wentz	32514	FL
Kia	Hendrix	32605	FL
joyce	schwartz	32714	FL
Heidi	Petroff	34761	FL
tara	grimes	32763	FL
lynn	orourke	33029	FL
Meredith	Domurat	33022	FL
Suzanne	Fejes	33062	FL
Linda	Headley	32628	FL
Harvey	Lillywhite	32605	FL
Joseph	Montes de Oca	33144	FL
Charlene	Inglis	34275	FL
Lora	Smith	32110	FL
Ashlee	Allen	32605	FL
Alicia	Crine	32958	FL
Tom	Ellis	32720	FL
Kimberly	Schmidt	32130	FL
Steven	Rentz	34698	FL
FRED	KAHN	32810	FL
Keith	Berger	33487	FL
Tina	Bailey	33920	FL
Todd	Weise	32792	FL
Kelly	Abrahall	34747	FL
Ron	Houghton Jr	32080	FL
Judi	Epstein	32738	FL
lea	williamson	32937	FL
Gil	Panzer	33432	FL
Charles	Campbell	33609	FL
Lucy	Starbuck, DVM	33920	FL
Ami	Jambusaria	32819	FL
Tracy	Winton	32738	FL
Christine	Pratt	34683	FL
teresa	lipscomb	32129	FL
shanna	Damien	34475	FL
Christine	Holmgren	33705	FL
Karen	Eskelin	33033	FL
Alma	Pomales	32148	FL
Debi	Mohan	33199	FL
Camilla	Spicer	33952	FL
Debra	Read	34480	FL
melissa	alexander	33327	FL

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Dee	Seahawk	33604	FL
Diana	Ward	33713	FL
Laraine	Winn	33762	FL
Richard	Arrindell	32935	FL
jeanne	roche	34232	FL
Howard	LaPolt	33755	FL
Lisa	Jasay	32408	FL
Patrick	Davis	32811	FL
Gudrun	Dennis	32653	FL
Nancy	Burke	33455	FL
Bob	Fay	33714	FL
Mattie	Rush	32654	FL
Joseph	Scott	33617	FL
Kim	Pond	32953	FL
Darryl	Thompson	33601	FL
Dottie	Butler	33705	FL
Robert	Gilliam	32789	FL
Sylvia	Salter	33919	FL
Debra	Young	34116	FL
Michael	Harrison	32259	FL
Kathleen	Buckley	32162	FL
JORGE J	TAMARGO	33165	FL
Mari	Wallace	34756	FL
Ellie	Thorpe	32561	FL
roberta	claypool	33133	FL
Gina	Mondazze	33021	FL
Vanessa	Carbia	32608	FL
barbara	jannicelli	34606	FL
gaby	monge	33122	FL
Allison	Aldrich	34233	FL
Harry and Kathy	Brownfield	32953	FL
Dennis	Moll	34243	FL
Angie	Rhinier	33316	FL
gabrielle	smith	32110	FL
Ann	Zscheile	32937	FL
JAMIE	HART	32771	FL
karla	Apple	34655	FL
Laura R.	Goldstein	33157	FL
Leigh	Emerson Smith	33143	FL
Ann	Ewing	33040	FL
Susan	Schlessinger	34953	FL
Kim	Weisenborn	33009	FL
Bijjan	Shirvani	33331	FL

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Dorothy	Mollica	32164	FL
shirley	palmenteri	33710	FL
Mary	Tensel	33433	FL
Gabriella	Siberski	32955	FL
William	Swanson	32608	FL
Ruth	Serra	33764	FL
Dawn	Zegledi	32738	FL
cynthia	crawford	33901	FL
Shawn	Byron	32566	FL
Cheryl	Vigoda	33434	FL
Dawn	Schulz	32605	FL
staci	sherwood	33441	FL
Ana	Alvarez	34711	FL
Christopher	Sego	34761	FL
loren	evans	33624	FL
Pam	Patterson	33165	FL
V	Rogerson	33418	FL
Brian	Paradise	32082	FL
Jerry	Spetsieris	33141	FL
Christine	Fultz	33803	FL
Irene	BRIZARD DE FORGES	33137	FL
Linda	Messier	32169	FL
Kay	Burnette	30721	GA
Pam	Longobardi	30319	GA
Cynthia	Patterson	30068	GA
Holly	Crawford	30269	GA
Carolyn	Vaughan	31405	GA
Dr Viviana	Gallaguer	30602	GA
Nicole	Carrington	31082	GA
Lisa	Black	30533	GA
Erwin	Rosinberg	30309	GA
Vanessa	McTigue	30008	GA
Phillip	Mixon	30907	GA
Bonnie	Barfield	30082	GA
Ruth	Castro	30471	GA
Menlia	Trammell	30251	GA
Ana	Garcia	30236	GA
Natalie	Schrey	31320	GA
Thomas	Lewis	30324	GA
Julie	Robertson	30317	GA
Dan	Magee	30677	GA
Jack	Bara	30097	GA
Lisa	Anthony	30016	GA

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Tara	Muenz	30354	GA
Brianna	Manns	30680	GA
Ursula	Gumlaw	31620	GA
Ingrid	Müller	87471	GA
christina	williams	30619	GA
Michelle	Munoz	30067	GA
Lee	Jackson Jr	30263	GA
mary	turcotte	30102	GA
liu	Wai Ling	31084	GA
Joanne	Archdeacon	30045	GA
Jodi Raven Hawk	Silver	30328	GA
Dameon	Torrey	30316	GA
Kayla	Farnan	30024	GA
Jessica	Canepa	31602	GA
Susan	Bulmash	30004	GA
Rick	Wargo	30135	GA
Jennifer	Day	30096	GA
Krista	Evans	30328	GA
Theresa	Perenich	30606	GA
Elaine	Johnson	30228	GA
Theresa	Neill	30008	GA
betty	almand	30002	GA
Rosemary	Randolph	30528	GA
Brent	Chester	30075	GA
Jennifer	Palmer	30648	GA
tamara	eis	24997	GA
gerald	gouge	30605	GA
jose	martinez	36940	GA
Francesca	Kohler	30339	GA
d.j.	Spisak	30030	GA
Robin	Vincent	30101	GA
celine	duburg anhen	00013	GA
Bill	Rubin	30339	GA
Terre	Spencer	30092	GA
Eva	Avery	30047	GA
Kylise	Howell	30135	GA
Steve	Slater	96779	HI
Rachael	lund	96753	HI
Elizabeth	O'Connor	96815	HI
michele	halligan	96768	HI
Stephen	Faes	96741	HI
alegre	sisson	96741	HI
Nina	Monasevitch	96766	HI

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Barbara	Downs	96822	HI
Don	Najita	96828	HI
Phyllis	O'Reilly	96779	HI
Susan	Hartzler	96789	HI
noenoe	barney-campbell	96813	HI
Yolanda	Clay	96740	HI
Phyllis	Magal	96726	HI
ISLA	HARMON	96778	HI
Mackenzie	Jahnke	96821	HI
Sherry	Pollock	96754	HI
Bee	Evans	96764	HI
Susan	Floyd	96785	HI
Odette	Rickert	96720	HI
Charmaine	Pulgados	96743	HI
James	Freeheart	96753	HI
Ricardo	Mackie	09643	HI
Alissa	Katz	96720	HI
Michael	Schoenfeld	96713	HI
John	Broussard	96743	HI
K.	Chung	96816	HI
Ronnie	Huddy	96717	HI
nastassia	hill	96738	HI
PAUL	STANKIEWICZ	96789	HI
janice	palma-glennie	96740	HI
Leah	Kowalke	96374	HI
Kaitlyn	McKee	96717	HI
Sherrie	Moore	96778	HI
Cathleen	Dagher	96791	HI
Kari	Wilson	98037	HI
Rosanne	Shank	96740	HI
isabelle	berges	96766	HI
Kimberly	Gilfillan	96791	HI
Molly	Moriarty	51503	IA
Jody	Gibson	50315	IA
Eric	Meyer	52556	IA
Allison	Castle	52761	IA
Charles S	Mitchell	52632	IA
Jackie	Stolze	52361	IA
Kathryn	McKinley	50588	IA
Vickey	Baker	51537	IA
Cindy	McDaniel	50208	IA
Holly	Kukkonen	52240	IA
Brandi	McCauley	50312	IA

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Debbie	Heaton	52302	IA
Duncan	Beach	50010	IA
Janelle	Pollock	50047	IA
M.	Hebold	50858	IA
Carmel	Benton	50849	IA
Matthew	Drew	50316	IA
Deke	Gliem	50066	IA
Carissa	Nelson	52804	IA
Amy	Parker & Matt Schikore	52246	IA
Diane	Ernst	52101	IA
Beth L.	Jones	52403	IA
Vanessa	Pearson	50401	IA
Pamela	King	51401	IA
Teri	adams	52807	IA
PENELOPE	MAZZA	52556	IA
Kay	Fisher	50622	IA
aric	slagenweit	52404	IA
manuela	wolter	50309	IA
Kyle	Ross	83716	ID
Connie	c	83616	ID
Gloria	D'Andrea	83810	ID
sue	lesmond	83725	ID
Michelle	Lesmond	83725	ID
Doreen	Queen	83713	ID
dameon	hansen	83402	ID
Michelle	Hiseley	83815	ID
Juanita	Hepler	83712	ID
Beryl	Lesmond	83725	ID
Irina	Kuznetsova	83756	ID
Janelle	Church	83622	ID
Earth	Thunder	83703	ID
Dustin	Coyle	83204	ID
edna	chiprout	813567	ID
Julie	Morse	83815	ID
Julie	Lafferty	83713	ID
Linda	Moore	83702	ID
N	C	60173	IL
Autumn	brown	61008	IL
Susan	Welch	62959	IL
Margaret	Keylin	61736	IL
Lonnie	Tuttle	60657	IL
Christine	Diebold	61104	IL
Sandra	Couch	60564	IL

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alan	rider	62547	IL
DIANE	KASTEL	60189	IL
Dick	Laubhan	61036	IL
Al	Bradley	60608	IL
rick	canning	60506	IL
Robert	Irving	60074	IL
Sara	Crowley	61704	IL
Julie	Suess	60438	IL
Jodie	Stackowiak	60120	IL
Christopher	Riff	60657	IL
Terra	Ziencina	60441	IL
david	pittman	61604	IL
Suzir	Moore	61554	IL
Dawn	Albanese	60007	IL
Judy	Genandt	60118	IL
Meghan	Capulong	60563	IL
Dori	Cole	60189	IL
Judy	Merrick	60532	IL
Brenda	Tarkowski	60016	IL
Alan	Serlin	60707	IL
Carol	Jurczewski	60546	IL
jacqueline	Peipert	62012	IL
Christopher	Lee	60626	IL
Heidi	Schubert	60607	IL
sandra	harms	60657	IL
Chris	Grushas	60525	IL
Linda	Lucke	60048	IL
Veronica	Oscilowicz	60651	IL
Kristian	Lopez	60634	IL
Michael	Weaver	60174	IL
Gary	Bettega	60467	IL
Barry	Seth	60015	IL
John	Cole	60189	IL
Carolyn	Holmes	60631	IL
Sheila	Maloney	61884	IL
Barbara	Kopelman	60062	IL
Artemis	Asproyerakas	60642	IL
John	Kennedy	62702	IL
Barbara	McIntosh	61108	IL
Lenore	Reeves	60448	IL
April	Stanley	61525	IL
Anthony	Jasaitis	60455	IL
Beth	Raynis	60565	IL

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Steve	Wanninger	61103	IL
Sharon	Buazard	61108	IL
Matt	Slade	61111	IL
Paul	Haider	60654	IL
Meghan	Elgan	60102	IL
Stacey	Siegel	60605	IL
Alicia	Paravola	60618	IL
peter	solt	60618	IL
Chris	Kiefer	60706	IL
Daniel	Woods	60453	IL
Christy	Kurtz	60103	IL
Joan D	Griffin	60552	IL
Terri	Kierski	61362	IL
Liz	Reed	60046	IL
Paul	Harris	60050	IL
Anna	Bonick	60462	IL
Hector	Vargas	60181	IL
L	Cummings	60187	IL
Martha	Burk	61701	IL
Pat	Bryan	60532	IL
Samantha	Sweeney	62901	IL
Janice	Ehrenhaft	62864	IL
Mary	Guirguis	60440	IL
Anne	Settanni	61761	IL
Letitia	Noel	60610	IL
Maureen	Shipman	60053	IL
Cynthia	Vasquez	60513	IL
Janus	Woods	61820	IL
Gloria	Picchetti	60657	IL
Ted	Nimmo	62092	IL
Georgia	Shankel	60647	IL
Cheryl	Jennings	60035	IL
Irene	Cooper	72229	IL
Kelly	Hudson	61081	IL
Howard	Mock	60645	IL
Deborah	Bacigalupo	61764	IL
Terrie	Cahoe	60970	IL
Judith M.	Meek	60453	IL
Teresa	Kania	60073	IL
Pamela	Richardson	60646	IL
Yasiu	Kruszynski	60613	IL
Ann	Blanchard	60008	IL
mark	gillono	60503	IL

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
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Michele	Hoffman	60626	IL
Marilyn	Smit	61032	IL
Jill	Liedlich	60153	IL
vicki	ginoli	62703	IL
Jennifer	Cunningham	60506	IL
sonja	chan	60901	IL
Cecelia	Samp	60176	IL
Tracy	Drake	60614	IL
Stephen	Gliva	60202	IL
Barbara	Liszeo	60430	IL
Eugene	Timpe	62901	IL
A.	frank	60099	IL
Robin	Delapena	60618	IL
Cindy	Moczarney	60707	IL
craig	figtree	60614	IL
Lisa	Rapaport	60803	IL
James	Sullivan	60630	IL
Eric	Edwards	60185	IL
Emma	Bradshaw	60532	IL
Cathy	Reid	60073	IL
Nikolay	Arcos	60107	IL
Sonia	Ness	60007	IL
Jane	Drews	60051	IL
Andrea	Swank	60657	IL
john	schaus	60712	IL
Gregory	Kampwirth	60561	IL
David	Brodnax	60304	IL
olga	abella	62454	IL
David	Ulibarri	60631	IL
Brian	Moe	61080	IL
Susan	Fleming	60586	IL
Philip	Kritzman	60646	IL
Claudette	Tooley	61353	IL
amber	barth	60193	IL
Lisa	Emeott	60008	IL
evelyn	scimone	60048	IL
Michelle	Novoa	60160	IL
Jessica	Mosley	61350	IL
Lydia	Price	60458	IL
Alex	Oles	60521	IL
Tyler	Reid	60073	IL
Walter	Schmitt	61115	IL
Lana	Schmitt	61115	IL

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elma	davis	61401	IL
Carol	Pawlak	60565	IL
Scott	Lombardo	60618	IL
Ronald	Stone	60657	IL
Lisa	Fowler-Kobylewski	61016	IL
Carly	Hayes	60625	IL
Sharon	Koe	60171	IL
joann	butkus	60632	IL
Robert	Coon	60618	IL
Barbara	Mango	61443	IL
Suzanne	Rosenorn	60441	IL
Carol	Johnson	60190	IL
James	Hansen	60091	IL
Amy	McReynolds	62901	IL
Umair A.	Qadeer	60016	IL
ellen	grossman	60614	IL
Jennifer	Davis	61801	IL
jeff	hopkins	60046	IL
Tara	Verbridge	47734	IN
Kathy	Kennedy	47305	IN
Jeffrey	Kunkel	46256	IN
Karen	Griffith	46324	IN
Charlotte	Battin	47201	IN
Michael	Olenjack	46123	IN
Donald	Bellinger	46142	IN
William	Pohley	46131	IN
Joene	Bryant	46082	IN
Jodi	Noden	04870	IN
Jack	Saylor	46614	IN
Teresa	Mogg	47361	IN
William	Schaad	47448	IN
John	Kirchner	46807	IN
Frank	Paladino	46805	IN
Dale	LaCognata	46038	IN
Phillip	Joyce	47243	IN
nannette	ames	46384	IN
Stephen	Brockmann	46229	IN
Joseph	Hoess	46574	IN
dina	frigo	46322	IN
Diane	Soddy	46765	IN
Pamela	VourosCallahan	46530	IN
MARIA	scourta	18451	IN
susana	soares	47104	IN

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
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Jessica	Cresseveur	47150	IN
Carol	Hatfield	46227	IN
Mark	Hallett	47408	IN
Becky	Kibe	46825	IN
Ingrid	Alpha	47933	IN
Patricia	Biddinger	47408	IN
Tina and Kerry	Risley	46062	IN
Sarah	Ellis	47401	IN
Christine	Aldrich	46761	IN
Phillip	Godsey	46835	IN
Jeanette	Micca	47150	IN
Kali	beagle	47408	IN
Linda	Weber	46530	IN
Jamie	Walbeck	47025	IN
lynn	gray	46701	IN
Michelle	Walters	46613	IN
Mary	Truelove	46151	IN
Diana	Kaye	47117	IN
Wendy	McCracken	47037	IN
K	Mayes	47401	IN
Gerlinde	Horn	01190	IN
Judith	Scherff	94531	KS
john	van hercke	66061	KS
Melinda	Barnett	66047	KS
Charles	Brumleve	66502	KS
Darcy	Romondo	66048	KS
Debra	Gakeler	66210	KS
Ken	Schefter	66062	KS
marilyn	logan	66208	KS
Destiny	Pannell	66441	KS
Kenneth	Gakeler	66210	KS
carol	baughman	67226	KS
eric	barker	66044	KS
Merl	Johnston	67480	KS
James H.	Fitch	66225	KS
Michael and Evie	Rapport	66044	KS
Dan	Cheever	66749	KS
maria	peteinaraki	71305	KS
Donna	Conrady	67003	KS
Sheila	Roddy	67205	KS
Steve	Wurtz	66062	KS
sharon	kansas	67846	KS
Gaelynn	Wolf Bordonaro	66801	KS

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Stephanie	Goldbach	10629	KS
brad	higgs	66549	KS
Brenda	Lehman	67208	KS
Tracy	DeVore	40870	KY
Cassandra	Lieder	40504	KY
Adele	Leach	42729	KY
Lara	Beard	42701	KY
Angela	Tackett	40337	KY
margaret	davidson	40505	KY
Linda	Hendrickson	40057	KY
ronald	messina	70739	KY
Marie	McIntosh	41339	KY
Mary Joyce	Moeller	40769	KY
Maureen	Jackson	03799	KY
Letitia	Mooney	40299	KY
Elizabeth	Butler	42420	KY
Cheryl	Elkins	40403	KY
Harry	Miller	40119	KY
Robert	Mitchell	40502	KY
sandy	donlin	41071	KY
Craig	Bunting	42055	KY
Tiffany	Baker	40356	KY
Judy	Hildenbrand	40242	KY
Tony	Menechella	40601	KY
Melody	Halligan	70461	LA
Karen	Ryan	70435	LA
hbvq	qub	33510	LA
brad	guth	70458	LA
Max	Magbee	70806	LA
Joseph	Vincent	70058	LA
Valerie	Buisson	70003	LA
Barney	Fortier	70501	LA
Lisa	Adams	70118	LA
Sandra	Marciante	70056	LA
Sydney	Farr	71322	LA
isbel	lima	70124	LA
Joseph H.	Brown	70401	LA
julles	freemantle	gu55tn	LA
Gerard F.	Gaudin	70004	LA
michele	johnson	70461	LA
Sandra	Olson	70056	LA
maria	o donnell	lim12345	LA
Linda	Carroll	70118	LA

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valerie	clark	02494	MA
Evan	Martinez	02043	MA
Susan	Ballard	02657	MA
Betsy	Germanotta	02140	MA
Anita	Goncalves	01056	MA
Alexxia	Bell	01570	MA
Elizabeth	Lott	02148	MA
Justin	Small	01085	MA
Chris	Buelow	01031	MA
martha	leahy	01890	MA
Jim	Hunt	02135	MA
Tom	Quinton	01267	MA
Bonnie	Faith-Smith	02139	MA
Ramona	Hart	01930	MA
Alex	Escott	02332	MA
Susan	Thomas	01886	MA
John	Frey	02420	MA
Michael	Stuart	01501	MA
Michael	Monroe	02445	MA
Richard	Bourne	02445	MA
Eva	Schocken	01108	MA
Louise	Silver	02476	MA
Laurie	conroy	02481	MA
Peter	Kahigian	01832	MA
Jocelyn	Slater	02536	MA
Kate	Kenner	02130	MA
Gail	Needham	01060	MA
Kathryn	Good Hanson	01432	MA
Thomas	Dorsey	02478	MA
Mary Martha	Thiel	02445	MA
Christine	Cranston	02476	MA
Jeanne	Gallahue	02190	MA
Lisa	Miller	02135	MA
Judith	Embry	01247	MA
Donald	Di Russo	02136	MA
Linda	Powers	02653	MA
Jean	Williams	02062	MA
Nita	Sembrowich	02139	MA
Bonnie	Brett	02067	MA
Sean	McDermott	02171	MA
Donna R.	DFini	01340	MA
William	Allan	02642	MA
Carol	Rosenblith	02468	MA

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Amanda	Puryear	02144	MA
patrick	pierce	01852	MA
kathleen	simmons	01027	MA
Elisa	Prebble	02481	MA
Lynn	Barbieri	01230	MA
Deana	Corvino	02351	MA
Sharon	Koogler	02445	MA
Leslie G	Baker	01240	MA
kathleen	cover	02574	MA
Andrew	Lenz	01054	MA
Liz	Field	01720	MA
Jude	Ayer	01606	MA
Daniel	Belachew	02139	MA
Erika	DelCioppo	02127	MA
Barbara	Bradley	02631	MA
Lydian	Green	02066	MA
Barry	Stearns	02452	MA
nicole	silva	01830	MA
Robyn	Arena	01821	MA
Thomas	Lincoln	02155	MA
Kathleen	Lewis	02169	MA
Jack	Nilsen	01609	MA
Terre	Seeley	02540	MA
james j.	formichella	01930	MA
Richard	Stafford	01970	MA
Marian	Kelner	01301	MA
Fennie	Tsai	02459	MA
Dorothy	Tongue	02791	MA
sherry	weiland	01776	MA
Cathy	Staniunas	01532	MA
Linda	Simpson	02712	MA
Diane	Mowbray	01890	MA
Jennifer	Gitschier	02762	MA
Cathy	Ruperti	01824	MA
Stephen	Donnelly	01027	MA
Bob	Bousquet	02327	MA
Cathleen	Groves	01256	MA
Barbara	Hayes	02630	MA
Noel	Larock	01077	MA
Mark	Fiora	02420	MA
Margaret	McGinnis	02045	MA
Jacqueline	Masterson	01562	MA
Deborah	Spencer	01821	MA

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Sarah	Hill	02143	MA
Christopher	Kirchwey	02139	MA
Erica	Sohl	01721	MA
Jürgen	knorr	02530	MA
Dalit	Rabinovitch	02130	MA
Alice	McGough	02649	MA
susan	earle	02139	MA
Albert	Tahhan	02169	MA
Sue	Nightingale	01002	MA
Round the World	Animals	01002	MA
Karen	Frink	02019	MA
Linda	Wallace	01545	MA
M.	el Kouni	02476	MA
Lorraine	Stone	01036	MA
frank	conlin	02557	MA
Donna	DeMarco	01867	MA
Evelyn	Ball	R1A3L7	MB
Jackie	Adam	58108	MB
peter	dexheimer	21163	MD
Emily	Torstveit Ngara	20852	MD
Natalie	Batovsky	21791	MD
John	Regnery	20876	MD
Dori	Grasso	21030	MD
Nicole	Weber	21122	MD
Candice	Paulus	21144	MD
Douglas	McNeill	20770	MD
David	Bibo	20707	MD
Daniel	Vice	20814	MD
Tara	Huber	20853	MD
mark	salzer	20770	MD
Barbara	Sutton	20895	MD
Anita	Whitlock	20707	MD
Karen	Strayer	21784	MD
Tierney	Grinavic	20639	MD
Kaite	Hanlon	20676	MD
Carla	Tellez	20886	MD
Kristine	Barbieri	21045	MD
Allison	Jones	21122	MD
Eileen	Knox	20852	MD
Vicki	Carter	20902	MD
Shelley	Bobb	20854	MD
helena	doerr	20906	MD
Elaine	Phillips	21037	MD

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Maria	Worden	21047	MD
Gwendolyn	East	21784	MD
Wil	White	20781	MD
Kathleen	Dodd	20877	MD
linda	hunt	21901	MD
Wili B	Gavin	21211	MD
Vicki	Ferguson	20912	MD
Ryan	Bradley	20770	MD
Susan	Hawkes	21085	MD
joyce	robinson	21061	MD
Cynthia	Arnold	21776	MD
Emily	Torstveit Ngara	20852	MD
Susan	Brown	21222	MD
Tim	Feeney	21202	MD
Kelly	Allison	21811	MD
Cheryl	Fahlman	20879	MD
Theodosia	Paclawskyj	21136	MD
Daryl	Domning	20901	MD
Terri	Pick	20874	MD
Pamela	Waterwrth	20706	MD
Katherine	Babiak	20677	MD
John	Walker	20677	MD
Marguerite	O'Rourke	20903	MD
Carol	Casey	21231	MD
e	nylen	20817	MD
Rocio	Luparello	21702	MD
Candice	White	21043	MD
Charles	Alexander	21094	MD
Elaine	Burton	20904	MD
Andres	Antuna	20850	MD
Meya	Law	20747	MD
Flor	manzanarez	20902	MD
Emanuele	Pelosi	21236	MD
Robert	Weber	21122	MD
monia	casamatta	SW3 1DE	MD
Tray	Cumbie	21046	MD
Dawn	Chapdelaine	20715	MD
Jennifer	Gabella	21030	MD
Aaeron	Robb	21218	MD
Lynne	Mowry	95401	ME
Chelsea	Vosburgh	04988	ME
Candice	Lynn	04011	ME
Meryl	Pinque	04401	ME

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Beth	Herman	04240	ME
Shirley	Davis	04473	ME
Susan	Cooney	04530	ME
Liz	Sherblom	04401	ME
Matthew	Clark	04038	ME
William	Scoble	04843	ME
Dawn	Freeman	04476	ME
Gary	Vencill	04981	ME
r	b	04101	ME
Ann	Breedem	04664	ME
Beth	Peary	04106	ME
M	L	04220	ME
Julie	Acs	48179	MI
Hope	Wilson	48104	MI
Susan	Inman	49629	MI
Susan	Puscheck	48198	MI
Marc	Schoenberg	48336	MI
jacqueline	tessman	49022	MI
Lynn	Gleason	48092	MI
Pamela	Green	49001	MI
Cara	Nims	48185	MI
Lesley	DuTemple	49950	MI
Jeremy	Peterson	49646	MI
Nicole	Votta	48021	MI
Carrie	Mack	48154	MI
Gwendolyn	Karan	48017	MI
Lois	Friedrich	46646	MI
Gloria	La Fleur	48125	MI
Reid	Oppenhuizen	49503	MI
Brenda	Tucker	48331	MI
Michael	Swiger	49431	MI
amber	babcock	48135	MI
Marianne	Widmalm	48103	MI
Theory	Madison	48009	MI
Christine	Liff	48230	MI
Denise	Brennan	48326	MI
Liz	Clark	49253	MI
Lillian	Neumann	48315	MI
Laira	Bate	48125	MI
Art	Hanson	48917	MI
Dennis	Feichtinger	48183	MI
Thom	MacDonald	48152	MI
Judy	Everhart	48195	MI

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Anneke	Andries	4941jt	MI
Natalie	Hanson	48917	MI
Bambi	Castello	48060	MI
Lisa	Graham	48237	MI
cristian	valdes	84944	MI
Angel	Morgan	48647	MI
Julie	roach	48154	MI
Ned	Rollins	48103	MI
Bonna	Mettie	49768	MI
Carol	Gold	48223	MI
Susan	Kiligian	48240	MI
Dr. Virginia	Jones	49004	MI
Mark	Muhich	49201	MI
Janet	Peterson	48084	MI
Adam	Williams	48108	MI
Karen	Weir	49017	MI
Katlin	Harwood	48439	MI
Barbara	Erdman	48152	MI
William	McMullin	48420	MI
Peggy	Moody	49841	MI
Monique	Musialowski	48038	MI
Erika	Nagy	48178	MI
Donald	Garlit	48187	MI
Virginia	Catanese	48230	MI
Brandi	Whiteman	48350	MI
Carol	Fletcher	48103	MI
Nicholas	Frame	48220	MI
Albert	Fecko	48015	MI
Jeanne	Mackay	48040	MI
Tom	Schroeder	48060	MI
Kim	Johnson	48192	MI
gail	walter	49001	MI
Nicholas	Mouzourakis	48124	MI
Susan	Sorg	49534	MI
patty	niester	49765	MI
josephine	kowalski	48167	MI
Cecile	Adams	48623	MI
Natalie	Hodapp	56001	MN
stephanie	ruona	55406	MN
Elizabeth	Fuller	55113	MN
Mary	Madeco-Smith	56345	MN
Ross	Anderson	56258	MN
Elisabeth	Peterson	55391	MN

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Jody	Fritzke	55040	MN
Timothy	Halvorson	55438	MN
Nancy	Long	55720	MN
Janet	Neihart	55016	MN
Bob	Russell	55118	MN
Judi	Poulson	56031	MN
Kate	Crowley	55795	MN
John and Jean	Fleming	55046	MN
tom	holmes	55316	MN
Nicole	Weaver	55413	MN
ALAN	Wolff	55404	MN
Debra	Schmid	55304	MN
Julie	Klassen	55057	MN
Kristin	Campbell	55387	MN
Tim	Donovan	55116	MN
Nina	Ritter	55113	MN
Christine	Barnes	55105	MN
Laura	Regan	55810	MN
eileen	Adamec	55419	MN
Russell	Smiley	55431	MN
Peter	Reed	55416	MN
Shirley	Reider	55113	MN
Michael	Rivet	55901	MN
Tanya	Koester-Radmann	55013	MN
Nina	Karatsaneva	55555	MN
Ingrid	Roed	55116	MN
Stephanie	Lenz	55812	MN
Joanne	Neihart	55016	MN
Peter	Highum	55442	MN
E,lanne	Palcich	55719	MN
Ryan	Mooreson	56301	MN
Tanya	Gravening	55408	MN
John	Moszyk	63129	MO
Mathew	Maynor	64158	MO
Dawn	Harrod	63108	MO
Tammy	Wamble	63301	MO
Joshua	Dillon	64151	MO
Bob	Carlson	63118	MO
Christopher	McLaughlin	63108	MO
Jan	Cowan	63301	MO
Bart	Hovis	63122	MO
Anne	Orth	63037	MO
Charles	Phillips	65233	MO

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Janet	Cuenca	63146	MO
Kenneth	Robertson	64151	MO
Karen	Khourie	40475	MO
Jack	Forster	63044	MO
Laura	Ivey	65610	MO
Emir	Bacic	63125	MO
Wendye	Kolles	63132	MO
anne	henry	63376	MO
Kyriana	Foster	63336	MO
Rick	Schweizer	63044	MO
Brenda	Hill	64034	MO
Jonny	Rio	63366	MO
Sara	Schmidt	63010	MO
Edward	SPEVAK	63139	MO
Vicki	Johnson	64137	MO
Teresa	Schnell	64133	MO
Laurie	Sippel	63361	MO
Steven	Davies-Sigmund	63122	MO
Mr & Mrs Leon	Trumpp	65301	MO
Christine	Turner	63341	MO
Nancy	Schultz	63119	MO
Ivonne	Artica	63109	MO
Jonathan	Lotz	64055	MO
William E	Pfeiffer Jr.	64112	MO
Anthony	Donnici	64068	MO
elizabeth	smith	64132	MO
Rock	Hoyer	64081	MO
c	mulloy	64151	MO
Lisa	Hulett	63010	MO
Randall	Dollins	64130	MO
Laura	Kennell	63130	MO
jen	Leach	64151	MO
Anasa	Lewis	63385	MO
Elizabeth	Calhoun	64138	MO
jeanne	lebow	39553	MS
Rochelle	West	39209	MS
Teddi	Young	39157	MS
Keith	Pettway	38732	MS
Margo	Salone	39360	MS
Teresa	Evans	38843	MS
Jill	Patton	38632	MS
Julia	O'Neal	39564	MS
Denis	Goulet	38677	MS

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cynthia	watson	39191	MS
Nikisha	Ross	39206	MS
Kathleen	Foley	59802	MT
cheryl	Kindschy	59601	MT
Clinton	Sennett	59457	MT
Pamela	Baillio	59716	MT
Cathy	Ream	59825	MT
Krystal	Weilage	59701	MT
Dee	Hellings	59715	MT
Judy	Cockrell	59937	MT
amie	bennett	59875	MT
Julie	Osborn	59802	MT
Tristan	Sophia	59068	MT
Chris	Ryan	59635	MT
Billy	Angus	59840	MT
Scott	Buchner	59714	MT
Lynda	DeLellis	28081	NC
Randy	Whittington	28801	NC
Carol	Hoke	28772	NC
Pat	Rittenmeyer	28409	NC
malik	griffin	27545	NC
Lynn	Regnery	28405	NC
Jennifer	Poindexter	27262	NC
Jessica	Mcgratty	28205	NC
Todd	Crawford	28445	NC
Judy	Gehrig	27707	NC
Celeste	Winterberger	27616	NC
rocky	reuter	27410	NC
Jennifer	Mann	27703	NC
Aduab	Smith	27559	NC
Lara	Marshall	28607	NC
George	Neste	27265	NC
Alex	CabreraMD	28269	NC
Sheryl	Weichbrodt	27603	NC
Kay	Doost	27403	NC
Bobbie	Wendelken	27713	NC
Jim	Stolz	28312	NC
Gena	Medoff	27408	NC
Beth	Stanberry	28802	NC
Harry	Mauney	27889	NC
iris	carr	28805	NC
Sharon	Whitmore	27572	NC
Theresa	Rubin	27606	NC

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Robin	Long	28214	NC
Margaret	Wainwright	27705	NC
Bartholomew	Barker	27278	NC
Cheryl	Johns-Kilgore	28227	NC
Rita	Clonts	28025	NC
James & April	Thompson	28739	NC
Peter	Krones	28173	NC
Richard	Strowd	27516	NC
mary	truman	27502	NC
Sarah	Eick	28403	NC
Sara	Biggers	27516	NC
Penelope	Bakatsias	28205	NC
Dawn Marie	Anderson	28128	NC
Tanya	Godsey	27606	NC
Giana	Peranio Paz	28791	NC
Melissa	Mauldin	28034	NC
Marissa	Waltz	28412	NC
Katherine	Meyer	28043	NC
ANDREW	LIMBRICK	28409	NC
Diane	Buccheri	27968	NC
BRANDY	Ward	27612	NC
Neena	Lowery	28718	NC
Robert	Kublawi	27617	NC
Linda	Ricks	28516	NC
Kelsey	Butler	27407	NC
Stacie	Buff	28658	NC
edwin	skinner	27804	NC
Linda	Peterson	28079	NC
Evelyn	Chapple	27513	NC
Shoshanah	Naiman	27517	NC
Terri	Hunnicut	28746	NC
Valerie	Finch	27893	NC
Julie	Macomber	27513	NC
Karen	Greenhalge	28786	NC
Elisa	Breez	28307	NC
Peg	Parham	27403	NC
Jade	Kelley	27703	NC
ANCIE	LEIGH	28806	NC
Sonya	Carrigan	27302	NC
Jana	Box	28037	NC
Barbara	Williams	28562	NC
Barbara	Barron	27572	NC
Beth	Watson	28816	NC

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
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Carmen	Plummer	28107	NC
shelley	frazier	27603	NC
Jillouise	Breslauer	28405	NC
BEVERLY	JINNETT	27278	NC
Janey	McMillen	27502	NC
Audrey	Hackett	28205	NC
Robert	McArtor	28403	NC
Pat	Hamm	28613	NC
Laurie	Hanson	58103	ND
doug	krause	58108	ND
John	Tetel	27701	ND
Noreen	Mastascusa	69142	NE
Debra L.	Watson	69301	NE
Margery	Coffey	68055	NE
Gene	Sengstake	68524	NE
Cathleen	Collett	68508	NE
Ashley	Vanek	68502	NE
Aaron	Shultis	68504	NE
Melanie	McCain	68144	NE
Robert	Fuchs	68132	NE
Linda	Gertig	68005	NE
Jane	Wilson	68131	NE
Fiona	Loggie	68124	NE
betty	pederson	68107	NE
Tawnya	Hinson	68901	NE
Tanya	Woodside	68135	NE
Carrie	Rieden	68128	NE
Carol	Weingeist	03755	NH
Joyce	Coogan	03452	NH
Dominic	Libby	03851	NH
carole	arbour	03051	NH
maura	riley	03064	NH
June	McLaren	03870	NH
Margaret	Kidd	03431	NH
Marina	Pirkey	03086	NH
Daniel	Snodgrass	03101	NH
david	linnane	03268	NH
Darlene	Johnson	03234	NH
Eric	Jones	03238	NH
Cora	Quisumbing-King	03820	NH
Kellie	Smith	03244	NH
nathan	schaefer	03440	NH
Allen	LaPlante	03062	NH

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Robert	Sargent	03079	NH
RM.	Waters	03865	NH
Margo	Santoro	03464	NH
Erin	Gregoire	03103	NH
Alecia	Campbell	03801	NH
Elise	Margulis	07039	NJ
Scott	Weiner	08527	NJ
debra	tomajko	08876	NJ
Tom	Vandercruyssen	09700	NJ
Marie	DAnna	07657	NJ
Pam	Prichard	07719	NJ
Susan	Hurwitz	07661	NJ
Nick	Mantas	07676	NJ
Stephen	Heuer	07070	NJ
Denise	Frullo	07675	NJ
Matthew	Franck	08901	NJ
elaine	cuttler	07041	NJ
Gaby	Rodriguez	07050	NJ
Diane	Henricks	08824	NJ
David	Fisher	08071	NJ
Jenna	Rotondi	08724	NJ
Deidre	Celano	08724	NJ
Manuela	Vieira-DaPonte	08075	NJ
Michael	Carney	08078	NJ
Gilbert	Wald	08807	NJ
Michaela	Redden	07648	NJ
Patricia	Fulmer	08077	NJ
P	Scoville	07421	NJ
Gail	Bolka	07421	NJ
dennis	savini	08742	NJ
James	Soviero	07701	NJ
O.	Ruiz	07013	NJ
Robert G	von Giebel	07823	NJ
Doris	Carey	08003	NJ
Eugene	Gorrin	07083	NJ
Fred	Ippolito	08075	NJ
Kevin	Bannon	07461	NJ
Patricia	Boud	08759	NJ
Kamilah	Gilbert	07522	NJ
Laura	Levey	08873	NJ
Joann	Ramos	08830	NJ
Ms. Terry	Vaccaro	07060	NJ
Tom	Koven	08827	NJ

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
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dorinne	chwazik	07801	NJ
Karen	McKittrick	08005	NJ
Merelyn	Dolins	07040	NJ
Claudia	Petaccio	08033	NJ
Don	Howell Jr	08021	NJ
Mariann	Tierney	07922	NJ
Dayton	Cooper	08071	NJ
Marc and Jill	Klosner	07079	NJ
E	McConnell	08872	NJ
Jamie	Hawley	07748	NJ
John	Salerno	07666	NJ
Ben	Reed	08010	NJ
robert	wood	07712	NJ
John	Kaminski	07747	NJ
Joseph	Brigandi	08012	NJ
Jennifer	Hsu	07456	NJ
Liz	Gorman	08724	NJ
Lauren	Wylde	07652	NJ
James	Koo	07738	NJ
Dusty	Stepanski	08074	NJ
Michael	Murphy	08330	NJ
David	Valentino	07741	NJ
Sri	Maddukuri	07605	NJ
chris	hazynski	08505	NJ
Raul	Arribas	08014	NJ
paula	grilo	07105	NJ
merce	riaza	08029	NJ
Michelle	Murphy	08610	NJ
Carolyn	Marion	07753	NJ
Laura	Coates	07054	NJ
keith	vaughn	08021	NJ
Martina	Clark	08060	NJ
kurt	carlson	08753	NJ
Martin	Melucci	07644	NJ
Mike	Thuring	07506	NJ
carol	jagiello	07403	NJ
Valerie	Tarr	08690	NJ
M. Cecilia	Correia	07208	NJ
Brian	Kelley	08033	NJ
steve	f	07109	NJ
William	Rolls	08618	NJ
Dennis	Morley	08857	NJ
Takako	Ishii-Kiefer	07753	NJ

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
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Helen	Schafer	08527	NJ
Bill	Cahill	07624	NJ
patty	coates	07204	NJ
Ann louise	May	07410	NJ
George L.	Trigg	08534	NJ
Arlene	Taylor	08753	NJ
Linda	Hassa	08724	NJ
marisa	dipaola	08050	NJ
Sarah	Buck	08757	NJ
jenna	sokolik	07407	NJ
Florence	Eaise	08107	NJ
Erika	Pitsker	08302	NJ
Briana	Nagengast	08527	NJ
hilary	malyon	07436	NJ
Bonnie	Sauter	08012	NJ
Cheryl	Lechtanski	07748	NJ
Marilyn	Eppolite	08002	NJ
Ruth	Boice	08088	NJ
Henry	Montague	08610	NJ
Denise	Lytle	08863	NJ
Karl	Hunting	08861	NJ
Pam	Lynn	07438	NJ
John	Richkus	07307	NJ
Kathleen	Horne	08816	NJ
Dawn	Walker Cinco	07002	NJ
Joseph	Tolerico	07860	NJ
Anthony	Parisi	08844	NJ
nirva	singh	07010	NJ
Janice	Mcshane	08059	NJ
Joni	Moretti	08889	NJ
Kathleen	Seltzer	08844	NJ
Varina	Paone	07921	NJ
Phiillp	Paone	07921	NJ
Corinne	White	08043	NJ
Christine	VanderWal	07436	NJ
Nancy	Chismar	08817	NJ
lorraine	brabham	07030	NJ
roe	demarco	07109	NJ
Jennifer	Smith	07753	NJ
William	Posch	08075	NJ
Samantha	Baumgartner	87036	NM
Joanne	Cockerill	88062	NM
Deirdre	Wolf	88061	NM

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Ari	Biernoff	87106	NM
Richard	Khanlian	87505	NM
James	LeNoir	88007	NM
Casey	Citrin	87102	NM
Lorraine	Heiss	87935	NM
David	Ams	88220	NM
Vicki	Spanogle	87059	NM
Michelle	Friessen	87109	NM
Charles	Stup	87508	NM
Betsy	Wolf	87571	NM
Bryan	Knox	87110	NM
V.	Alexander	87107	NM
Cate	Moses	87505	NM
jeanne	martin	88061	NM
Kirsten	Lear	87505	NM
John	Banks	87571	NM
Barry	Hatfield	87502	NM
Jeff	Weeks	87710	NM
Rosalie	MacCready	88005	NM
Lisa	Comfort	87108	NM
William	Buss	87048	NM
DeWitt	Henderson	88012	NM
Arifa	Goodman	87564	NM
Jessie	Vosti	87557	NM
Shirley	Pevarnik	88061	NM
Jessi	Bezzeg	87107	NM
Kristen	Balzer	87122	NM
Anita	Walsh	87048	NM
Tiska	Blankenship	87110	NM
Amy	Atkins	87104	NM
Cassandra	Suarez-Hanson	87110	NM
Roberta	Price	87110	NM
sandra	chu	88012	NM
Patrick and Connie	Berry	87031	NM
Christina	Rutkaus	87514	NM
Teresa	Hammond	87109	NM
Todd	Monson	87112	NM
Heather	Rider	87508	NM
Annette	Hummell	88011	NM
Barbara	Bacon	87109	NM
Nancy	Dailey	87120	NM
B. Thomas	Diener	87123	NM
Bruce	Wille	87111	NM

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Jan	McCreary	88062	NM
D	Riner	87109	NM
Nicole	Sylvester	88011	NM
Pat and Gary	Duncan	87031	NM
Gail	Rekers	94707	NM
Tiffany	Nicol	87124	NM
David	Doty	87505	NM
Amber	Baumgardner	87410	NM
dr. dj	carruthers	87048	NM
Helen	Hargan	87111	NM
Heidi	Smith	87113	NM
Sharon	Stockman	87501	NM
S.A.	Kingsley Rowe ND	87508	NM
Jean	Genasci	87120	NM
Jason	Clack	88220	NM
Patty	Navarrete	87571	NM
Rebecca	Kraimer	88011	NM
Myra	Armstrong	87104	NM
Margaret	Weinrod	87107	NM
Todd	Gross	87112	NM
Jim	Hillyard	87123	NM
i	boyd	87193	NM
Nichole	Chaput	87106	NM
Jenny	Goldberg	87529	NM
Brian	Hoover	87059	NM
Martha	Hogarth	87123	NM
Stephanie	Nemet	87502	NM
Paige	Porter	88101	NM
Anda	Vladoiu	10759	Not provided
pedro	anillo guevara	37750	Not provided
Marguerite	Cordell	03437	Not provided
judith	ganem	69623	Not provided
Margarita	Zhelyazkova	01750	Not provided
Elma	Tassi	111 43	Not provided
toulla	hadjinicola	00122	Not provided
Susanne	Seltmann	12345	Not provided
Thomas	Chillcott	PE5 7AX	Not provided
Keith	Melton	BS23 3BU	Not provided
Ioana	Lacatus	M3M 1J5	Not provided
Annie	Wei	04870	Not provided
B	Bazin	1072ka	Not provided
Elizabeth	Heller	80805	Not provided
Eileen	Hardy	TN19 7NB	Not provided

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Evelyne	Ragossnig	06020	Not provided
Marika	Marcuzzi	64100	Not provided
Julie	Marques	25651	Not provided
Jonathan	Mitchell	TA2 6DT	Not provided
Florentina	Burlacu	70000	Not provided
Ligia	Prado	02308-050	Not provided
Melanie	Kirchmeyer	74385	Not provided
mica	crutchley	07672	Not provided
Ruth	Miller	G537PL	Not provided
Rob	Jursa	02384	Not provided
Veronica	Falcon Gomez	25000	Not provided
umberto	recca	41125	Not provided
chantal	Provost	13530	Not provided
Mark	Tipperman	B4P2N5	NS
Jodie	Malinen	B0J 2X0	NS
s.	rueter	48167	NT
Laura	Angel	89503	NV
Joanne	Popp	89005	NV
Michael	Turnbull	89052	NV
Dianne	Poland	89048	NV
Marcia	Ostrowski	89503	NV
Jennifer	Pritchard	89074	NV
Lois	Denaut	89015	NV
Denise	Martini	89183	NV
Kaitlin	Nichols	89433	NV
Jenny	Nichols	89433	NV
Robert	Howard	08074	NV
Maureen	Fahlberg	89005	NV
Kathleen	Lybarger	89002	NV
Carmen	Mo	89502	NV
John	Marchese	89014	NV
Catharine	Sanders	89523	NV
Lorne	Travis	89122	NV
Felicia	Pellegalle	89123	NV
Lorraine	Gardner	89408	NV
Mia	Holliday	89144	NV
Ingrid	Swift	89429	NV
Charlene	Boydston	89048	NV
Catherine	Ayoub	89178	NV
Jennifer	Sumiyoshi	89129	NV
Brandi	Romano	89052	NV
Gary	Petersen	89511	NV
Donna	Gorman	89060	NV

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
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Sauwah	Tsang	89141	NV
TERRI	ROBERTSON	89156	NV
Salme	Armijo	89004	NV
Ken	Gibb	89448	NV
Dana	Walker	89074	NV
David	Dewenter	89019	NV
Salme	Armijo	89004	NV
Tracy	Robles	89169	NV
Jessica	Dexheimer	10016	NY
Lisa	DeFelice	12020	NY
James	Casey	11201	NY
june	avignone	14620	NY
Annette	Varady	12444	NY
Adrienne	Neff	10065	NY
Barbara	Bonham	10940	NY
julie	greco	10570	NY
Anne	Kobayashi	10003	NY
Richard & Jo	Heaning	11758	NY
Robert	Orlando	13326	NY
Susan	Esposito	10314	NY
Marlena	Lange	10940	NY
Terri	Knauber	14225	NY
Amanda	Levine	11767	NY
Laurie	Puca	10956	NY
susan	messerschmitt	14609	NY
Dennis	Kelly	10012	NY
chris	witting	11419	NY
ann/stan	ssprayregen/sperber	10033	NY
Kathy	Burpee	10516	NY
dostana	ljusic	10990	NY
Marnee	Reilly	12106	NY
william	toner	13101	NY
Carol	Chappell	12440	NY
George	Picchioni	10462	NY
COLLEEN	CAHILL	14612	NY
George	Sidoti	11731	NY
Marcie	Newman-Perskin	11358	NY
Michael	Diaz	10457	NY
Carolyn	Friedman	12495	NY
Robin	Adler	10003	NY
Margie	Freda	11427	NY
Jon	Pitchon	11763	NY
Frances	Saykaly	10021	NY

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Clifford	Barragan	13021	NY
Audrey	Williams	12159	NY
Frank	Quint	12401	NY
Alan	Wolfer	11561	NY
Judith	Rhodes	10009	NY
Blake	Winter	14127	NY
Luis	Cerra	10023	NY
Meghan	Stratton	13215	NY
Saundra	Crowell	11787	NY
Cynthia	Whitman	10019	NY
janet	denti	10465	NY
caro	Smith	10025	NY
marvin	ling	12308	NY
Megan	Veley	13605	NY
Heather	Cross	11222	NY
Bobbie D.	Flowers	10011	NY
Thomas	Pintagro	14701	NY
William	Sharfman	10024	NY
Liz	Garratt	14222	NY
Barbara	Becker	11747	NY
Lynne	Gordon-Watson	10028	NY
Karen	Olsen	14850	NY
Scott	Fiore	13021	NY
Taffy	Williams	10707	NY
Robert	Phillips	11772	NY
Christina	Marcus	11763	NY
cynthia	damico	10128	NY
John	Batista	10002	NY
Irene	Siwik	10009	NY
Sandy	Sobanski	10003	NY
Joseph	Alfano	10022	NY
Roxanne	Christie	13131	NY
Kevin	Oldham	11967	NY
Keith	Wynne	11217	NY
Robert	Butler	10128	NY
Czerny	Auyang	11215	NY
Phillip Angel	Faria Jr.	11772	NY
Arthur	Steuer	11231	NY
Emily	Birnbaum	11566	NY
Terence	Hay-Edie	10024	NY
Jared	Brenner	10003	NY
Stanley	Becker	11561	NY
Linda	Segal	10901	NY

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
Marine Sanctuaries (NOAA-NOS-2012-0228-0001)

Linda	Vartoogian	10025	NY
Vaughn	Baker	14527	NY
Mallika	Henry	12816	NY
Ross	Levin	11217	NY
Neil	Farbstein	11791	NY
Christy	Carosella	11417	NY
John	Doerich	14624	NY
marilyn	nusbaum	10002	NY
tracy	nolan	10514	NY
Alexis	Mohr	12533	NY
Diana	Di Carlo	10594	NY
Isaac	Loloey	11415	NY
Michelle	Smith	11782	NY
Barbara Sondra	Levine	10590	NY
Sandy	Tabin	12477	NY
George	Stadnik	11103	NY
Maryann	Bayne	12197	NY
Samuel	Rubin	11214	NY
Jennifer	Hughes	01057	NY
janet	forman	10011	NY
Richard	Eng	13783	NY
Brittany	Dolan	11787	NY
Lindsay	White	10954	NY
John	Teagle	10516	NY
Maria	Golde	11935	NY
Beth	Mandelbaum	10028	NY
Federico	Duay	10580	NY
Katrina	Smith	14561	NY
Tracy	Marotta	11214	NY
Christian	Shaw	14850	NY
Emmanuel	Reyes	11207	NY
Harriet	Adamo	12498	NY
Allison	Gelfman	11804	NY
ellen	kole	10004	NY
abby	spitzer	10520	NY
Diane	Kraft	14305	NY
Elena	Chernysheva	11235	NY
m	shiel	14075	NY
Ben	King	10025	NY
Ronald	Lemmert	10566	NY
HELENE	BIGBAIEV	10309	NY
ursula	hoskins	10562	NY
Timothy	Dunn	11702	NY

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Ross	Kugler	10029	NY
margaret	halley	10014	NY
richard	burlage	11205	NY
Paul	Ghenoiu	12901	NY
Donna	George	13212	NY
Athena	Batsios	12123	NY
Joel	Finley	13669	NY
Robert	Puca	11217	NY
Bryan	Furey	10040	NY
Jessica	Case	11217	NY
Anthony	Kropovitch	14224	NY
Karen	Mott	11740	NY
lisa	clark-kahn	10901	NY
Stacy Elizabeth	Billings	11105	NY
kyle	gage	14432	NY
Alan	Jasper	11566	NY
Karen	Greenspan	10006	NY
Susan	LoFurno	14580	NY
Rachel	Saless	14623	NY
Kimberly	Wiley	14612	NY
Pierre	Schlemel	11804	NY
Bernadette	Belcastro	11001	NY
Ken	Hittel	10024	NY
Michael	Mandel	11050	NY
Susan	Hittel	10024	NY
Marge	Maloney	14150	NY
Roger	silva	11201	NY
Alex	Brownstein	11746	NY
Dawn	Walker	10918	NY
Sarah	Hamilton	13032	NY
Elizabeth	Guthrie	14580	NY
Amanda	Scuder	10025	NY
Robert G	Kelly Jr	11552	NY
Dawn	Odonnell	12833	NY
Kim	Buell	14551	NY
Roberta	Gleicher	11753	NY
Lisa	Ramaci	10009	NY
Greena	Lee	11358	NY
Angie	Smith	11222	NY
Kate	Chase	13618	NY
Floss	Shahbegian	11357	NY
Buffy	Turner	14802	NY
Maureen	Guido	11379	NY

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Robert	Brostowin	11375	NY
Jamie	Schalis	11776	NY
Jean	Naples	10993	NY
Merideth	Genin	10009	NY
Elena	K.	10014	NY
Amy	Rosen	11733	NY
sergey	shabalov	11752	NY
Steve	Feinberg	10065	NY
Christina	Rose	10028	NY
Annie	Katzman	10014	NY
sara	di gennaro	11414	NY
Sandy	Dalcais	11377	NY
tung-lei	wong	11102	NY
Susan	Ellis	12471	NY
jean	ritchie	13210	NY
Silvia	Bertano	10129	NY
filiz	selmanFilizSelman	10804	NY
Andrea	Sreiber	12345	NY
BellaDonna	Iodice	14606	NY
Nidia	Rocha	04430	NY
Edith	Borie	12561	NY
Alex	Gordon	13214	NY
Nicholas	Prychodko	11932	NY
Andrienne	Filleaudeau	11205	NY
Jean	Standish	10003	NY
Robert	Klein	10010	NY
Debi	Holt	14470	NY
Laurie	Steckler	11217	NY
Elaine	Robinson	12345	NY
diletta	bianco	10080	NY
John	Petrilli	11572	NY
karen	lyons kalmenson	11021	NY
Emmy	Hargreaves	48300	NY
John	Mallia	12010	NY
jeanette	capotorto	11725	NY
Joan	Martorano	12508	NY
Walker	Everette	10960	NY
Barry	Smith	11230=1808	NY
William	Davis	12409	NY
cenie	cafarelli	14618	NY
arianna	dutter	14560	NY
Fay	Forman	10001	NY

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Rosalie	Valente	12149	NY
Sandra	Costa	10035	NY
Erma	Lewis	11204	NY
Sarah	Rosenstein	13323	NY
Yvonne	Pratt	11772	NY
Melissa	Barbella	10805	NY
nancy	garavuso	10075	NY
tyler	harrington	12985	NY
Jenifer	Brock	11713	NY
Kristell	Hemery	10019	NY
janet	blake	11414	NY
kathy	haverkamp	14456	NY
Pilar	Iwankiw	14626	NY
Leah	Jacobs	10003	NY
tyler	harrington	12985	NY
Patti	Packer	12302	NY
deborah	lancman	10464	NY
myra	gordon	11951	NY
Joan	Svenson	12603	NY
j	agius	12345	NY
Charlotte	Grillot	10019	NY
Daniel	Applebaum	10014	NY
Carol	Wachenheimer	12585	NY
Hope	Schnee	11570	NY
flamel	irina	83000	NY
Stephen	Heinzelman	14534	NY
Michelle	Hayward	12321	NY
christian	lopez	11373	NY
rhonda	lieberman	10002	NY
JOAN	MASSETTI	11106	NY
Joanne	Gaarbato	14580	NY
Norma	Khan	11103	NY
La Zhen	Han	13862	NY
reem	fakhouri	11148	NY
joshua	Heffron	10028	NY
Jack	Pliskin	11217	NY
Catherine	Nelson	10710	NY
Susan	Hoskam	12345	NY
ILENIA	massaroni	11105	NY
CARRILU	TIETZ	13326	NY
DENICE	NELIPOWITZ	13090	NY
Leslie	Cassidy	10028	NY
Tomi	Manikas	10023	NY

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Tara	Farnan	14527	NY
Maura	Ellyn	12440	NY
Janice	Bernard	10510	NY
pat	Rabin	14228	NY
Garret	McCarty	14607	NY
laurie	moschetto	11693	NY
Douglas	Cooke	11209	NY
Katherine	Wojciechowski	13421	NY
Joseph M	Varon	11552	NY
Anthony	Lee	14609	NY
Carol	Hinkelman	14616	NY
Anna	Lukaszewicz	14219	NY
sylvia`	Welch	10968	NY
karen	krause	12205	NY
Peter	Newman	11791	NY
melissa	granger	13144	NY
Jacklyn	Gratzfeld	13340	NY
MIKE	HLAT	14218	NY
Anita	Cook	14901	NY
tanya	bruhwiler	10026	NY
Caryn	Corriere	14216	NY
Penny	Bacon	11801 1816	NY
Linda	Phelan	14425	NY
Lisa	Sekerich	11763	NY
Thomas S.	Brewster	13365	NY
debra	plishka	13027	NY
gina	zarola	10604	NY
Barbara	Tetro	10029	NY
Reynard	Loki	10011	NY
Jessica	Hendrick	21409	NY
susan	cagnetto	11204	NY
Susan	Arkin	11432	NY
rory	tipping	n5y2s4	NY
Véronique	Lajoinie	94100	NY
Rachel	Gugelberger	10003	NY
Susan	Krause	11780	NY
jane	edsall	11766	NY
Gina	Coviello	14519	NY
Dominic	Lombardozzi	11801	NY
Nell	McKay	10019	NY
Melinda	Jones	14420	NY
Jenn	Plishka	13027	NY
Anne Lazarus	Lazarus	10009	NY

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Rosie	McDonough	14150	NY
Barb	Whipple	14063	NY
Lois and Richard	Atkinson	12309	NY
rox	Matra	10028	NY
anna	palmer	12148	NY
Barbara	Smith	10701	NY
cynthia	ramirez	10027	NY
Emma	Young	10009	NY
Joel Scott	Strauss	10927	NY
Susan	McCauley	10024	NY
Mary	Gargiulo	10954	NY
Ana	Gutierrez	00505	NY
Isabel	van Niekerk	00060	NY
Carla	Garcia	11217	NY
Loraine	Fusco	11010	NY
Men's	Lee	11358	NY
Deborah	Boomhower	12205	NY
Marcy	Arlin	11231	NY
Klara	Seddon	10516	NY
Joseph	Quirk	10009	NY
ELIZABETH	MOSTOV	10024	NY
debbie	goodman	12561	NY
Anna	Taylor	PH1 1QX	NY
T	Cho	10005	NY
Jordan	Evans	12033	NY
Phyllis	Mollen	10024	NY
Carla	Mazzeo, Ph.D.	12561	NY
lucia	fabbo	11803	NY
Jennifer	Hagens	10166	NY
joshua	Heffron	10028	NY
Kortnie	Coles	11211	NY
Farah	Arnowitz	11804	NY
Victoria	Lepore	10703	NY
andrea	difiroe	10012	NY
Gretchen	Briggs	45594	OH
Edward	Roach	45440	OH
wilma	sheridan	45601	OH
Gwen	Lambert	45440	OH
Kimberly	Orsborn	43050	OH
Larry	Temin	45237	OH
Mary	McConnell	43615	OH
Sally	Small	43015	OH
Amber	Ledford	45005	OH

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steve	kent	45011	OH
jane	milller	44074	OH
John	Siford	44039	OH
Kurt	Frees	45255	OH
Raymond	Carter	43566	OH
Charity	Ratliff	43130	OH
Amanda	Waldrup	43203	OH
Jo	sowash	45202	OH
John	Brewer	45750	OH
Laura	Horning	44145	OH
Beth	Chokan	44054	OH
Marianne	Frusteri	44116	OH
Charles (bud)	Adam	44314	OH
cal	cole	44688	OH
Carol	Scallan	45243	OH
Suzana	Megles	44107	OH
Angela	carlson	43112	OH
Laura	Blumenstiel	43065	OH
Brennen	Rizer	43207	OH
Fernando	Robles	45390	OH
Nelson	Baker	43719	OH
Jason	Kamalie	44311	OH
Natalie A.	Carter	43055	OH
MAX	FRAZIER	43227	OH
Angela	Christopher	44110	OH
Mary	Belperio	45205	OH
Margaret	Thorp	44303	OH
Toby Ann	Reese	44280	OH
Dennis	Woolley	44515	OH
Valerie	Hildebrand	44134	OH
Anne	Grime	45011	OH
Kathe	Schultz	43614	OH
Warren	Roark	43609	OH
BERNARDO	ALVA	43017	OH
Kevin	Davis	43302	OH
Scott	Walker	44721	OH
Camila	Quevedo	43230	OH
William	Breen	44889	OH
Sally	Hinshaw	43221	OH
Pam	Naylor	44710	OH
Susan	Lynch	43221	OH
Rebecca	Safron	44039	OH
Jill	Dorsey	44060	OH

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Kristine	Bradley	44224	OH
Gloria	Smith	43055	OH
Katherine	Kriedermann	43227	OH
Ellen	Hansen-Ellis	44017	OH
Bobette	Seymour-Linder	44811	OH
Rebecca	Bralek	44301	OH
Shannon	Hahn-Wallace	43202	OH
Kelly	Wright	45103	OH
Geli	Valli	44136	OH
Jonathan	Disbro	43221	OH
Nicole	Waldron	45634	OH
Mary	Rapp	43068	OH
Wynn	Shafer	44122	OH
Betty	Combs	45647	OH
Susan	Snyder	44147	OH
Molzan	Kathleen	44134	OH
Nellye	Bowen	45150	OH
Mark	Chudzik	44070	OH
Anita	Shumaker	43570	OH
melissa	dabe	45505	OH
Rebecca	Ballard	44130	OH
Dar	Derthick	44102	OH
Vicki	Hedges	43138	OH
Barbara	Oleksa-Reiss	44240	OH
Dick	Reiss	44240	OH
Adam	Savett	44139	OH
Robert	McPherson	44133	OH
Gene	Ammarell	45701	OH
adrienne	lenko	43976	OH
kathleen	mcgrath	44145	OH
Dennis	Stevens	43202	OH
Cary	Dennis	43232	OH
Elisa	Travis	44118	OH
Linda	Coman	44401	OH
daniel	rheinscheld	43162	OH
Marilyn	Lewis	43230	OH
Lurrie	Amos	44212	OH
Lisa	Miller	45107	OH
kathleen	koller	45241	OH
denise	mulligan	43449	OH
Tina	Kalbfell	44460	OH
VickyLou	Sharer	44121	OH
Charles	Hines	43356	OH

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Nancy	Dolman	43605	OH
Lynn	Walker	44110	OH
valerie	Sherrill	44512	OH
Courtney	Reid	44145	OH
Tami	West	45052	OH
Angela	Adkins	43202	OH
David	Jenkins	73003	OK
Breanna	Kurtz	73020	OK
Peter	Myers	73112	OK
Merlene	Stuerzer-Rhodes	74014	OK
Cathy	Reynolds	73572	OK
Feather	Feathers	73071	OK
Janet	Romanishin	73072	OK
Grace	Winters	74647	OK
Lisa	Wiesbauer	74859	OK
Audra	Allredge	73009	OK
MARTHA	REED	73064	OK
Kathy	Nix	73099	OK
Jennifer	Jayroe	73071	OK
Livvy	Jones	73075	OK
Joshua	Almeida	n3h46	ON
Manuel	Almeida	N3H 4R6	ON
Corey	Cabral	N1r 5s6	ON
James	Bullock	n6j 3s2	ON
Emma	Davis	M5V 2B2	ON
Amy	Hanen	M4K 1G2	ON
Anne	Kaufmann	L4C5W1	ON
JENNIFER	SIMBROW	L6A 0X6	ON
suzanne	beaulieu	k7p0c3	ON
deb	harris	n0m1P0	ON
Ann	Warren	K7C 3P1	ON
Darrin	Drumm	L0R1C0	ON
Pamela	Bursey	L4N 0J2	ON
Kim	Finlayson	L6H4E4	ON
Elizabeth	S	00000	ON
Beth	S	00000	ON
Vicky	F	00000	ON
Tim	Oneill	13201	ON
Jason	F	00000	ON
Scott	S	00000	ON
Terri	Hyatt	M3H 3R5	ON
Roly	Antonio	M1R3H7	ON
sharon	monkhouse	N2R1X5	ON

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natasha	salgado	m6k 2z7	ON
Victoria	Pitchford	m1r1r5	ON
jennifer	bohn	L5G2S9	ON
Amanda	Lavictoire	L6T 2X6	ON
Diane	Burgin	M4C 2J6	ON
Shannon	Austin	M2N3C9	ON
Adrian	Freeman	M4N 2K5	ON
sigfrido	quijano	l6j 3n8	ON
carmen	rico	M4V 2A8	ON
Anastasia	Bulavinova	162614	ON
Kenneth	Lapointe	K1T2P9	ON
R	Richards	L1G5K9	ON
Family	MacRae	M9M 1X6	ON
veronica	blanco	16888	ON
James	Pronk	K9J 2H9	ON
Sue	Horwood	N5A 2A5	ON
Lynda	Rennick	L1S 2K5	ON
Samantha	Owen	M4K1V1	ON
Danielle	Deptuck	K7M 7J5	ON
David	Murray	P7A 5E1	ON
Susan	McLenaghan	K0G 1M0	ON
Shanna	Y	L6H 7G9	ON
Allan	Kellar	K6J-5B5	ON
Michela	Rebuli	N5W 1M5	ON
Bob	Minigan	K0K2Y0	ON
allegra	robinson	m4k 3w9	ON
Michelle	Bode	L1W 2T1	ON
Max	Quijano	M6K3B9	ON
Sharley	De Freitas	L1h4e4	ON
elisa	rico	m4v 2h3	ON
Moe	Khalili	M2n 3k6	ON
G.	Bernard	M2N 1W7	ON
Allison	Forsythe	K1M 0Z3	ON
Melanie	Ravet	M8Z3H7	ON
J. David	Scott	N5Z 4Z6	ON
Valentina	Krgovic	m4c3r5	ON
Shirley	Holman	K7L 5P6	ON
Coleen	Tew	L7R 2C9	ON
Edward	Tsang	L3R 5H9	ON
diana	lutz	N4S7W3	ON
Kim	Duggan	N1H 7V2	ON
Alex	Woolery	97222	OR
Paula	von Weller	97709	OR

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Paulette	Simmons	00097	OR
Sarah	Wiebenson	97214	OR
Claire	Cohen	97034	OR
Jennifer	Jones	97217	OR
Mark	Wheeler	97215	OR
nan	weed	97402	OR
Daniel	Wright	97124	OR
Ian	Shelley	97225	OR
Debra	Rehn	97202	OR
Shirley	White	97477	OR
Franklin	Kapustka	97006	OR
Shirley	Smith	97487	OR
Suzanne	Kindland	97110	OR
M	McGillivray	97408	OR
Steve	Sheehy	97603	OR
Meryle A.	Korn	97218	OR
dorinda	kelley	97220	OR
Lynne	Coward	97232	OR
jeremy	henry	97202	OR
Sheila	Spencer	97080	OR
Jim	Wells	97501	OR
Dolores	Matthys	97138	OR
Hailey	Wiper	98405	OR
Lacie	Holt	97403	OR
Donna	Steadman	97224	OR
Steve	Snyder	97202	OR
Richard	Pasichnyk	97402	OR
Ian	Boyd	97214	OR
theresa	waters	97504	OR
Polar	Bear	97405	OR
Howard	Ly	97080	OR
Phil	Hanson	97202	OR
Michael	McCormick	97211	OR
Nancy	Lyles	97525	OR
Becky	Raymond	97465	OR
Carol	Dixon	97236	OR
Maureen	O'Neal	97223	OR
Anna	Herring	97405	OR
Leslie	Burpo	97405	OR
Jim	Willoughby	97701	OR
Natalie	Van Leekwijck	97005	OR
Tim	Johns	97401	OR
Patricia	Wentz	97106	OR

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Diana	Anderson	97471	OR
Michael	Kaibel	97633	OR
Coralie	Benton	97321	OR
Carrie Lynn	Welch	97478	OR
Annie	McCuen	97302	OR
J	Stufflebeam	97045	OR
Joy	Mamoyac	97330	OR
Myriam	Alaux	97209	OR
A	Bigelow	97217	OR
Ann	Kennedy	97301	OR
Carol	Stahl	97527	OR
Beatrice	Nissel	97405	OR
David	Burkhart	97306	OR
George	Angus	97146	OR
Marni	Montanez	97123	OR
Gabriel	Sheridan	97203	OR
Wayne	Kelly	97520	OR
Douglas	Vernon	97702	OR
Joan	Beldin	97203	OR
Jason	Chin	97219	OR
Dr. Steven J.	Prince	97405	OR
Ray	Wood	97212	OR
Sharon	McDonald	97266	OR
William	Rizer	97111	OR
Barbara	Rupers	97378	OR
Charlotte	Sahnow	97408	OR
Terry	Ridge	97630	OR
Monet	Halton	97035	OR
Sheila	Dooley	97058	OR
T	Schoney	97008	OR
William	Schmonsees	97702	OR
Anne	Bodin	97520	OR
patricia	latham	97501	OR
Susan	Severin	97520	OR
steph	spencer	97701	OR
Sally	Purbrick-Illek	97302	OR
Maria	White	97007	OR
Noel	Nevins	97202	OR
Jennifer	Belveal	97386	OR
Steve	Aydelott	97701	OR
Jeff	Mittl	97206	OR
Amanda	Sloane	97201	OR
Charlie	Graham	97124	OR

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Larry	Watson	97301	OR
Dana	Bleckinger	97498	OR
Barry	Oaks	97405	OR
Judith	Vincent	97301	OR
Ninette	Jones	97217	OR
Heidrun	Van Dyke	97701	OR
Lisa	Simmons	97426	OR
Mike	Gross	97329	OR
Rhett	Lawrence	97217	OR
Margaret	Keene	97503	OR
Marjorie	Kundiger	97051	OR
Lisa	McWhorter	97405	OR
marguery lee	zucker	97403	OR
angela	fazzari	97213	OR
Krista	Reynolds	97211	OR
Rachel	Foxman	97217	OR
Vivianne	Mosca-Clark	97544	OR
Lacie	Eastlick	97214	OR
rift	vegan	97402	OR
Nicole	Jergovic	97201	OR
Pat	Cooper	97007	OR
Veronica	Jensen	97005	OR
Adam	Saari	97123	OR
Heather	Dale	97070	OR
Tamara	Lischka	97215	OR
Geoffrey	Harold	97239	OR
Ann	Bartell	97068	OR
frederick	mittleman	97523	OR
David & Leneda	Ditterick	97123	OR
Donna	Crane	97404	OR
Nancy	Fleming	97239	OR
Shayla	Rielly	97222	OR
Barbara	Danko	97370	OR
Carla	Hervert	97404	OR
Brad	Nahill	97007	OR
isabelle	vandewattyne	93190	ot
Jessica	Larsen	N-0767	ot
Katrien	Vandavelde	03221	ot
Shannon	Hu	23152	ot
Veerle	Roelandt	09290	ot
Gaynor	Rosier	17130	ot
aggie	janssens	02250	ot
mauricio	carvajal	9291583	ot

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nazdoneh	zarifi	00098	ot
Liliana	Pomeroy	62158	ot
Stephanie	Winter	10439	ot
Asha	Wednesbury	SP2 7PH	ot
Peio	Lopez	31194	ot
bodhi	Kohler	71667	ot
marianne	boschen	71667	ot
Daniela	Kurz	92108	ot
kaatje	adams	05555	ot
R	Smith	04811	ot
Lin	Charania	BR1 4SB	ot
Clare	Atkinson	MK45 2DH	ot
Marion	Feuchte	49751	ot
Birgit	Braun	71696	ot
Pascale	bertelà	84400	ot
Antonio	Delgado Fenoy	29740	ot
Anne	Seidel	90449	ot
Barbara	Stracke	2310140	ot
Ken	Lucas	GX111AA	ot
Monica	Butling	03875	ot
Carmen	Roel	66236	ot
Elena	Makhova	03035	ot
sue	schuemmer	89077	ot
Leandro	Hernández Soler	30008	ot
Paolo	Fattiboni	00100	ot
Romola	Hunter	07802	ot
charlie	bertou	01070	ot
Cristina	Gaztambide	01425	ot
Henri	Jurvanen	00250	ot
Maria	Schulz	300424	ot
Anne	Rutten	01325	ot
Juliana	Coradine	02042	ot
Nicolas	Caballero	41702	ot
Catherine	Chambers	03039	ot
Graciela	Patron Mederos	24008	ot
Cristina	Seica	03780	ot
s e	rose	17 7eq	ot
Cíbele	Cruz	13211410	ot
Gillian	Devine	03125	ot
Pauline	Heath	NE8 4NR	ot
Deb	Pomfret	M34 3GX	ot
Paul	Whitehouse	BN5 9QB	ot
Cherry	CHAU	N/A	ot

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hagit	sternfeld	65229	ot
Jacques	Moskovic	13001	ot
janice	calatayud	01810	ot
Sílvia	Neves	02635	ot
Amanda	Simao	80410180	ot
Angela	Turton	WV3 7BG	ot
Doris	Warnstedt	60488	ot
Lynn	Scanlon	Ireland	ot
Rosarinho	Rangel	2705-586	ot
Manolo	Segura MacDonald	28012	ot
Cristina	Novelo	91910	ot
Duncan	Wright	CV34 5SB	ot
Julien Kaven	Parcou	00248	ot
Erico	Fernandes Martins	71660-730	ot
Nic	Kennedy	04101	ot
Kay	Labo	02135	ot
Margaret	Morton	CA14 1YH	ot
Nicola	Jaeger	10967	ot
June	Arnold	CO62pn	ot
Euan	Davidson	AB24 3TT	ot
Annette	Poerschke	22848	ot
Bodil	Ribel	02600	ot
Timothy	Mullen	ST3 2AY	ot
Suze	Harrison	WC1B 3BE	ot
Yuko	Kubo	6780041	ot
Amelia	Watkinson	YO12 5BT	ot
Ingrid	Kleinmond	03550	ot
dominique	renucci	75019	ot
Julie	Roxburgh	GU22 9AE	ot
Roger & Gayle	O'Donahoo	03152	ot
Miriam	Ivaldi	01824	ot
Alejandra	Vega	01414	ot
Nathanael	Dyon	02026	ot
Rhian	Parker	BS21 6EP	ot
Mark	Hollinrake	11111	ot
Charlotte	Eriksson	14570	ot
Lou	Baxter	03068	ot
Melinda	Livwell	05214	ot
Rochelle	Pereira	96490000	ot
Lisa	Stow	02042	ot
Frank	West	04812	ot
Mauro	Martini	02183	ot
Rosana	Maria	28970	ot

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vanessa	allen	BR5 1JE	ot
Elisabetta	Bucciarelli	E11AE	ot
talila	stan	63454	ot
Libertad	de Leon	16404	ot
Christine	Cerqueda	01703	ot
Sam	Bloomfield	04383	ot
olivier	desport	08153	ot
iliana	reyes	66360	ot
Abigail	Moore	94118	ot
Karla	García	56330	ot
noelene	sanderson	07543	ot
michaela	ponzini	06244	ot
Antje	Nebel	04031	ot
ana	cardenas	11001	ot
Dmitry	Maul	69000	ot
Jana	Orlova	141160	ot
Lizl	Rigg	01940	ot
Gustavo	Hernández	53270	ot
sue	wadland	tn33 9jx	ot
Klaus	Gass	42897	ot
Gisela	Sanders	88255	ot
Isabelle	Piller	25390	ot
Jiun	Lam	437534	ot
?????	??????	163013	ot
Bene	Corti	31400	ot
Parvez	Zuberi	74000	ot
Camilla	Torsander	54130	ot
Regina	Hasenkrug	39326	ot
Fred	Hasenkrug	39326	ot
Anastasia	Skotina	603142	ot
charlotte	jacques	01630	ot
Hema	Desai	30101	ot
Diana	Houtzager	01000	ot
Rachel	Govender	02161	ot
Katie	ONeil	02025	ot
Barbara Silvia	Calamai	56026	ot
Pamela	Case	11111	ot
Bianca	Wittkowski	47506	ot
Narcís	Nuñez	08080	ot
reka	b	400327	ot
Phil	Cornelius	05049	ot
Philippe	Tomballe	04557	ot
Jayne	Wrigley	05067	ot

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Sonja	Nielsen	02600	ot
Shaheena	Dax	N19 4RU	ot
Lin	Ashton	07170	ot
Adriana	Trasnea	200491	ot
daniela	laudati	55555	ot
Thomas	Bonneville	N2 9JS	ot
LILIANA	PAPANIKOLAOU	10438	ot
sandra	burri	06331	ot
Anna	Bashkirova	123001	ot
Irene	Brosseit	32052	ot
Maureen	Ledger	21941	ot
carmen	martinez sanchez	17252	ot
Darija	Mandic	31000	ot
Vittorio	Ricci	16157	ot
Esra	Kocum	17100	ot
maya	mancoff	01000	ot
Sylvia	Cooper	04217	ot
Marian	Hussenbux	CH49 5LS	ot
Romy	Brandes	18182	ot
Dora	Hardegger	80490	ot
Leslene	Dunn	07405	ot
Brenda	Collins	12345	ot
cristina	nicolini	42124	ot
Sarah	Cullen	01934	ot
Susanne	Weber	BN14 7RU	ot
Heike	R	50672	ot
andreas	vlasiadis	17778	ot
Cristina	Río López	15590	ot
Leopoldina	Jovanovski	42000	ot
Raluca	Constantin	11111	ot
sethan	Ra	PE114JS	ot
Sara	Mcgregor	PH1 4BS	ot
Jens	Hansen	D-21224	ot
Matevž	Brojan	01230	ot
L	Chandran	Kt1 3rx	ot
Milka	Milenova	04000	ot
Barbara	Delmestri	01160	ot
Victoria	Ivashkova	117461	ot
Magdalena	Ström	75594 SWED	ot
Margarita	Yurinova	00864	ot
paul	sutton	cf 644tp	ot
Steffen	Heise	06844	ot

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Michelle	Sachs	02090	ot
Frederick	Clark	N14 7BE	ot
Hervé	Bérard	91400	ot
Valerija	Lussi	88005	ot
LETIZIA	ORINI	20068	ot
Ekaterina	Smorodova	115563	ot
Anette	Allton	05690	ot
Anne	Legoux	01932	ot
annick	van noeyen	01050	ot
Katrin	Heins	22880	ot
Charo	Garcia	28001	ot
German	Casesnoves	28012	ot
Lyneane	Lewis	02000	ot
Maria	Llorente-Ruiz	46120	ot
Abhinav	Goel	LS5	ot
Gérard	COUCHOUD	91120 FR	ot
sheena isobel	wilson	06041	ot
Patricia	Penley	1053 AT	ot
Francoise	Kemmler	53842	ot
Maarten	van Kranenburg	6716LD	ot
maria	cal	36203	ot
Marco	Vindas	01409	ot
Viv	Cecil	BN27 4NA	ot
Petra	Lamm	21769	ot
Helene	Beck	DK-8000	ot
victoria	mackenzie	iv25 3nn	ot
bernadette	cuellar	11200	ot
Krishna	Dangol	44600	ot
Lorraine	Hagin	CF63 1HJ	ot
Kate	Hathaway	GL54 4JA	ot
Devon	Jones	CF5 1DZ	ot
Regine	Hoffmann	65428	ot
gilberté	andré	02430	ot
Christine	Josselin	33930	ot
Dagmar	Leischow	20257	ot
ann	atkin	EX22 7LQ	ot
Constance	Hecker-Pauli	10719	ot
suzanne	unthank	m41 5at	ot
Stefan	Kuntner	04143	ot
Troy	Muir	03942	ot
Joan	How	LU3 2PU	ot
Dorothea	Stephan	94577	ot
Andrea	Müller	57250	ot

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beatrice	wassermann	59510	ot
Alena	Kurmaeva	123000	ot
Ornella	Cilona	00195	ot
Andrej	Ignjatovic	11000	ot
Ingrid	Bahr	8567JK	ot
Ngachi	Li	nil	ot
Nathalie	Lagorsse	63140	ot
Rae	Cecil	BN27 4NA	ot
Paul	Rance	PE12 0TS	ot
Brigitte	Hiller	3140-308	ot
Daniela	Lavanza	06000	ot
Milana	Valetina	SW6 6SJ	ot
Dominic	Belfield	W4 1AS	ot
Claudia	Werber	80333	ot
Claus	Frühwein	69168	ot
Danette	Hörberg	06140	ot
Ellen	OConnor	M33 7EN	ot
Richard	Glanville	CM12 9SP	ot
Roland Gerd	Baumgartner von Haitzendorf	87900	ot
elaine	huelin	ox11 7da	ot
Asli	Gedik	60323	ot
Eva	Schmelzer	40210	ot
terttu	heiskanen	08850	ot
Julia	Mist	22290	ot
Meike	Schwarz	55597	ot
shirley	darby	n8 8rp	ot
Flora	Pino García	28749	ot
Elena	Nedkova	01000	ot
roy	gibson	03193	ot
Sandra	Tomaz	01990	ot
Helen	White	LU7 2NS	ot
Julie	Edwards	07441	ot
Donatella	Gualandi	40024	ot
Aleksandra	Stojanovic	11070	ot
Anne	Roberts	31421	ot
ovadia	moshe	5815101	ot
sandra	jongeneel	nvt	ot
Julie	Botten	rm1 4la	ot
Bartlomiej	Tomczak	99150	ot
barbara	stoma	45-777	ot
Sarah	Mumford	11111	ot
Martina	Patterson	53909	ot
Antje	Götttert	55758	ot

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Roland	Götttert	55758	ot
anette	stauske	21035	ot
Victoria	P.	08400	ot
Roswitha	Götttert	55758	ot
Jose	Palazzo	92310-560	ot
Magali	Feugier	13004	ot
A.	Huijgens	1541RW	ot
Karin	Lindberg	42457	ot
sandrine	Boand	01224	ot
Brigitte	Arnold	46149	ot
Elisenda	Toda	08012	ot
MARCO	BRONZI	40127	ot
Giorgia	Fumagalli	37015	ot
patricia	gama	27200	ot
Ingrid	Claus-Noto	12355	ot
viviane	vanbuggenhout	B-1200	ot
Alberto	Meotti	20125	ot
Richard	Hieber	87700	ot
Margareta	Car	51260	ot
Rosi	Zang	63743	ot
michelle	abouchabki	00028	ot
Mark	Bastian	TR12 6RA	ot
gaetano andrea	amato	92100	ot
Elisa Francesca	Lorenzetti	80799	ot
Elisabeth	Richter	27002	ot
Martina	Miscioscia	20900	ot
Ana	Valencia	33553	ot
Tommy	Demander	277 40	ot
Alessandra	Tromboni	16148	ot
mrinaleni	ganesh	17139	ot
Sandrine	Coulon	21560	ot
Dietrich	Schwaegerl	85521	ot
Georgios	Kechagioglou	54454	ot
miray	ateren	16120	ot
elke	weisser	70186	ot
Simon	Validzic	10020	ot
Pierre	Vanderhoeft	01050	ot
Marika	Taddia	44012	ot
Danuta	Watola	42660	ot
Ruairidh	Steele	29500	ot
Marc	Alloing	B3010	ot
Sabine	Yenen	34710	ot
Yee Yean	Lim	43300	ot

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Sara	Gomes	7000-656	ot
Ve	Ellis	GU10 1LA	ot
Michael	Pattinson	S36 9RU	ot
Francesca	Pischel	01307	ot
Jasmin	Engel	64291	ot
Ewa	Piasecka	01562	ot
colleen	drew	02221	ot
Beatrice	Lacy	28356	ot
ela	tataru	400420	ot
Jeanette	Holmgren	96167	ot
Kristoffer Linus	Lauritzen	02300	ot
Peter	Seeber	09201	ot
Alexandra	MAUVE	30000	ot
Angelika	Jess	42799	ot
Kari	Hirvi	33960	ot
Ruth	Crawford	GL50 4HS	ot
Delia	Schamsai	20537	ot
Teodora	Teofilova	01582	ot
Helga	Romp	53604	ot
Betul	Al-Bassam	CR4 1HD	ot
Sonia	Ruiz	L34	ot
Jan	Garen	SA91UD	ot
chris	schneebeli	01224	ot
Jacques	Laus	07090	ot
Mariana	Carbajal	14200	ot
Barbara	Arosemena	00831	ot
Paul	Maerz	22527	ot
giustina	damiano	36033	ot
Helen	Chave	NP166SQ	ot
Thorsten	Walter	64625	ot
Mary	Chong	763698	ot
Tahoe	Leigh	ME15 7JF	ot
s	karg	2717 ge	ot
paula	kenny	dublin	ot
Yana	Vlasyuk	45400	ot
Wendy	Forster	SK105SG	ot
Justina	Montealegre	01700	ot
anja	blat	09402	ot
Estelle	Denamur	01330	ot
Noah	Heinz	66571	ot
Teresa	Wlosowicz	41200	ot
Julia	Waller	SE24 9LR	ot
Franziska	Gerhardt	08233	ot

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Marina	Fastigi	61021	ot
Roman Greek	Chislett Draper	28010	ot
Michel	GOSSEYE	B-1090	ot
Sergio	Padilla	00505	ot
Suzy	Davies	RH10 7FL	ot
Katerina	Karas	03035	ot
Cecilia	Moller	44338	ot
Ingrid	Cerqueni	34139	ot
mary	walishko	me20 7lf	ot
Joyce	Hughes	MK184JY	ot
Tommy	Göttler	09000	ot
Gwen	Hillman	21490	ot
Sonja	Wild	08704	ot
Elaine	Massie	SG19 1HN	ot
Lorraine	Cifteci	KT1 3LW	ot
Gabriella	Serafino	36077	ot
Maria Simonetta	Pavan	20151	ot
Christopher	Evans	HR6 9NL	ot
franca	marchese	20125	ot
MD	Amersbeek	1402NZ	ot
Maik	Schaffer	10245	ot
Gillain	Phoenix	NR340BB	ot
pasquale	de vivo	80010	ot
Bogna	Griffin	Galway	ot
Denice	Salewski	45307	ot
Penelope	Neeve	CM3 5QH	ot
Esther	Juhl	13599	ot
therese	reda	13480	ot
Urbain	Mireille	13000	ot
Maria Cristina	Garcia Vilaça	5590120	ot
Sian	Walters	BR49EH	ot
linda	badham	CM233SY	ot
Jutta	Messelhauser	70184	ot
Cinzia	Caporali	20051	ot
Danielle	Pirotte	04120	ot
Maurice	Costa	04120	ot
nicolette	ludolphi	28239	ot
Nancy	Neumann	55270	ot
anna	cusculola	25750	ot
DARIA	GYEDU	85-209	ot
andres	navarro	03140	ot
Antonella	Nielsen	02400	ot
CAYOL	Anaïs	13001	ot

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Roxana	VillaMichel	62120	ot
isabelle	boisgard	86000	ot
Sigrid	Bachler	04040	ot
pilar	de miguel	28045	ot
Naty	S	08003	ot
David	Brown	KT4 8XD	ot
Jacqueline	Lavanchy	01920	ot
Patricia	Parsons	RH20 1HW	ot
arcamoni	jennifer	13700	ot
Sian	Paul	RH5 4GA	ot
Jane	Parker	SK105SG	ot
Elisabeth	Bechmann	03100	ot
Bruce	Forster	SK105SG	ot
sandra	britton	ne26 2jd	ot
Shakti	Joignant	81150	ot
lynn	tor	sy11	ot
Susan	Will	AB25 2QX	ot
Derek	Knight	IG10 3QE	ot
Sandra	Knight	IG10 3QE	ot
Naomi	Connor	02011	ot
karen	White	L37 2JL	ot
Fabiana	Squicciarini	20027	ot
Marie-Louise	Noti	04052	ot
Patricia	Abbott	L377BN	ot
Yee Ping	Fruehwein	69168	ot
valentina	prümers	48575	ot
Colin	Davies	BS31 2JL	ot
rachel	vittles	sn25 3da	ot
Carol	Medder	JE24TS	ot
Rachele	Laccetti	00149	ot
Michelle	Neeson	BT64 1AW	ot
Maria G.	Marron	03800	ot
Eliette	Bozzola	13310	ot
Allison	Robertson	PA19 1DY	ot
Thomas	Mueller	86444	ot
Verena von Schönburg-Waldenburg	Verena von Schönburg-Waldenburg	20159	ot
Sylvie	Ries	08525	ot
patcas	lavinia	410272	ot
karine	innocenti	43343	ot
Kimberley	Nkosi	Nw2 2tq	ot
Gabriele	Lauscher-Dreess	52070	ot
Frauke	Lympius	23558	ot

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martyn	bassett	cr4 2jq	ot
Kirsi	Soviola	73134	ot
andrea	bassett	cr4 2jq	ot
Danny	Madzhurova	04110	ot
Alessandra	Cazzani	24129	ot
Ema	Rosa	2740-109	ot
Muriel	Servaege	06700	ot
Andrea	Angulo	01674	ot
Judith	Swain	SA8 3DA	ot
Selva	Carnevale	02124	ot
Sonia	Waddell	RG30 4TY	ot
Anita	Braumann	87437	ot
Dorothee	Albus	47137	ot
Donna	Hamilton	NR30 4AE	ot
Tanya	Scherbakova	61033	ot
Molteni	Molteni	20856	ot
Lisa	Ferguson	12054	ot
Elizabeth	O'Halloran	NN16 0DA	ot
Michael	Cox	05000	ot
bethany	smith	m30 7rd	ot
richard	mcnulty	d22	ot
Emmanouil	Lempidakis	w2 5rb	ot
Araceli	Crespo	53110	ot
Patricia	Vazquez	15900	ot
Leonor	Rico	00000	ot
Andrea	Kilcher	03427	ot
Suzanne	Kerr	NR32 3PZ	ot
Stef	Young	PE114JS	ot
Philippe	Fayt	00100	ot
TAKIS	NTE	62100	ot
Christiane	Henker	45881	ot
Erika	Berenguer	LA11AU	ot
Marijke	Verberckmoes	09180	ot
alunni	ilaria	06073	ot
Lorna	Smith	HU14 3HU	ot
Jean-François	Dutto	06790	ot
Alex	Deller	10010	ot
Olga	Beaujeault	56100	ot
Alexandra	Meyer	82194	ot
Laila	Schenk	72539	ot
Jean-Paul Georges	Sacy	02081	ot
Priscilla	Gallou	28100	ot
Paul	Knight	wa9 4uw	ot

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Chantal	Buslot	35100	ot
Marina	Canabrava	42801050	ot
Yvonne	Fast	90000	ot
Stephen	Cardwell	wa16 8le	ot
Helle	Collin	04400	ot
Dr Stefan	Petersen	25813	ot
Antonio	Scognamiglio	00000	ot
Alexandra	Frey	85232	ot
OLGA	KALFOPOULOU	17564	ot
Jeannette	Sander	12349	ot
Galya	Niv	62494	ot
Portia	Flavius	12345	ot
muriel	laurent	07180	ot
Elisabetta	Goss	34075	ot
Daniela	Höhn	65589	ot
SANDRA	ALBO	20099	ot
Elke	Weber	66640	ot
Marleen	Paulus	03320	ot
Jane	Speller	HD6 3TB	ot
Anda	Zevedei	18352	ot
DANIELE	TADDEI	20148	ot
Miriam	Wesselink	2245 BG	ot
amala	Kohler	71662	ot
Christin	Luhmann	20251	ot
Kevin	Puttock	se23 3rt	ot
Beryl	Furman	02700	ot
Sidem	Ozkan	34457	ot
Fernando Alonso	Quiros Nuñez	20701	ot
Ilona	Braune	13599	ot
Christophe	Ouedec	56100	ot
Else	Vander planken	01000	ot
Intan Surya	Dawood	05150	ot
cecelia	rowley	29600	ot
Salvador	López	14001	ot
Jennifer	Rowley	YO13 9JJ	ot
Silvia	Pérez	33718	ot
marie	boschen	71662	ot
ask	training	71667	ot
Matteo	Bontà	10091	ot
Heike-Ingeborg	Karwatzki	45139	ot
Petra	Hegenscheidt	45131	ot
Mervi	Rantala	33310	ot
Marie-Gabrielle	Baguet	50340	ot

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Pia	Mustonen	33200	ot
Xana	Gordillo	08980	ot
M ^a Rosa	Pérez	08980	ot
???????	?????????	61100	ot
Sarah	Tamim	10559	ot
jocelyne	HUTH	13013	ot
Petra	Moravcová	28146	ot
Piet	van Gils	2566 GD	ot
Paula	Cano	-----	ot
Antonieta	Tumminello	47167	ot
Jacqueline	Herder	6374AB	ot
Dieter	Reger	90473	ot
Silvia	Ramirez	68001000	ot
J	Kiroyan	03124	ot
Lars	Hoepker	27753	ot
Shane	Birtwell	03173	ot
Ginger	neimo	05000	ot
karen	PAGE	en8 8lw	ot
Veronica	Madeira	30303	ot
Steven	ooi	50450	ot
Alex	Blin	3140308	ot
Shirin	Bunting	OL14 7ND	ot
Gabriella	Serafino	36077	ot
sarah	zechmann	06830	ot
Ellen	Nieuwenhuijsen	8931GC	ot
Ingrid	Fuerstenau	48145	ot
ursula	keller	92331	ot
Silke	Baron	01140	ot
Leticia	Frutos	01350	ot
susie	syrigonakis	71305	ot
ana	ramí-rez	29006	ot
Charlene	Priscott	09499	ot
Mandy	Zafiropoulou	11362	ot
Kate	Jendral	82102	ot
Adriana	Navarrete	07167	ot
Alexander	Willer	01060	ot
Hugo	Cayuela	69000	ot
Roberta	Furlan	37100	ot
Giacomo	Miglio	10090	ot
Claudia	Bach	34134	ot
Yvonne	Street	SY2 5UE	ot
yolanda	schultes	93000	ot
isabel	estival	28029	ot

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mario	giannone	50145	ot
Edna	Mullen	ST3 2AY	ot
Bart	Hoppenbrouwers	D15	ot
Terri	Melloway	04226	ot
Barbara	Guevara	88888	ot
Maria	F.	37050	ot
Lindsay	THORPE	02031	ot
Naomi	Clark	Hu17 9ga	ot
Joanna	Kozanecka	05-200	ot
Christina	Mavrakis	02880	ot
Georgeta	Predeanu	230042	ot
Catherine	Davison	BS48 3EE	ot
Fabienne	Wittelings	6269DA	ot
claudia	correia	08500	ot
Jocelyne	FAROUAULT	75018	ot
Liz	Porter	BT455LF	ot
Sandra	Baldacci	00000	ot
Maria	cau	00000	ot
Irena	Gabut	30611	ot
Alina	Yamschikova	625000	ot
Annette	Bader	40670	ot
sandy	kavoyianni	17123	ot
Aurelie	KUHN	57230	ot
Ornella	Turrini	00152	ot
Lesley	Dove	TW12 1AH	ot
Federico	Bortoletto	35020	ot
H	Burtenshaw	08052	ot
Carla	Purtscher	06534	ot
Frédérrik	de BENOIST	78340	ot
MARIA SONIA	ESTRADA SOLERO	39300	ot
corine	cathala	26700	ot
Neil	Moorcroft	wn8 8jb	ot
Marian	Madsen	29755	ot
terezia ildiko	fogarasi	410327	ot
Albert	Mah	06152	ot
Luisa	Colom	07141	ot
Sylvie	Rochat	01315	ot
Christine	Knight	NP11 4TB	ot
Antje	Schulz	45472	ot
Daniela	Holmes	46535	ot
angeliki	kounelli	11257	ot
carol	ord	wa94aq	ot
Jan	Yarker	BR4 9EJ	ot

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Carol	Semin	02000	ot
LINDA	BADHAM	cm233sy	ot
Laurence	HENOT	51160	ot
Eileen	Thomson	DG12 6JL	ot
Ildiko	Badescu	50918	ot
Elizabeth	Oliveira	22743	ot
Mariana	Oliveira	22743	ot
Lisbet	Hofman Stahrenberg	46811	ot
kenny	hogg	ph26le	ot
Tanja	Höpker	27753	ot
Lies	Daneels	09660	ot
Miriam	Gandolfi	21040	ot
Ana	Lopes	02970	ot
Iwona	Janeczko	05077	ot
Natalie	Pongracz	91413	ot
piera	rossi	13100	ot
paula	Reinoso	00010	ot
giorgio	pizzo	90135	ot
Scott	Stark	07050	ot
wim	panis	02500	ot
Ronel	Sevior	00083	ot
Pradeep Kumar	Bhagvandas	500083	ot
khaled	amir	93380	ot
Heather	Clifford	Wf41lx	ot
Jelica	Roland	52420	ot
Angelini	Sandra	04520	ot
Bill	Westerman	04556	ot
Daniela	González	06700	ot
alexandra	Susini	42660	ot
MARIE RENEE	GELINEAU	20090	ot
Vicynthia	Tjahjadi	40286	ot
Aubrey	Wulfsohn	32527	ot
arnaud	Hussard	13016	ot
canan	apari	34337	ot
Alike	Schroeder	none	ot
Richard	Fuchs	100213	ot
juliette	scholler	41100	ot
Debz	Jones	CB24 5ES	ot
sonia	villette	44130	ot
Francis	Kerckhof	88700	ot
Maria João	Pinto	4460-196	ot
maria mercedes	Albornoz	06740	ot
doris	mundinger	77654	ot

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Steve	Overton	LE19 3GP	ot
Rajka	Marhold	03000	ot
Marja	Oberg	28008	ot
Lynn	Bell	00300	ot
Judith	Meienberg	09650	ot
Anke	Scheinert	44625	ot
Franziska	Eber	26125	ot
genevieve	Pieroni	13710	ot
Emma	Robinson	DK-6933	ot
Janice	Law	77300	ot
ELIZABETH	Brien	06055	ot
Danijela	Glavic	10430	ot
nancy	sartorio	02100	ot
elisabeth	Karcher	13013	ot
jean damien	Susini	42660	ot
Diane	Tait	EH41 3SB	ot
germain	Puerta	13001	ot
Petra	Puhalo	01000	ot
Kathi	Schh	89077	ot
dorothee	rossi	13780	ot
Hans	Korpershoek	3417WX	ot
Liliana	Dulgheroiu	90752	ot
Iranie	Armeyn	13413	ot
CLELIA	AUBAGUE CÁRDENAS	05000	ot
Antonio	Valentino	83021	ot
Kayleigh	Williams	CF3 1QU	ot
Helen	Viner	TQ2 7HQ	ot
Mahy	Joël	07181	ot
Roberta	Turpin	04020	ot
Irena	Borisova	37000	ot
Nikola	Borisov	37000	ot
Lora	Stanoeva	37000	ot
Elaine	Fowler	RG9 3LJ	ot
Liz	Wood	none	ot
Lotta	Roti	10210	ot
guido	vgent	01000	ot
Brigitte	Asbury	NG8 4DX	ot
Alain	DUMONT	55700	ot
Carla	Marques	02820	ot
Gaby	Patton	15136	PA
Janet	Davis	18255	PA
carol	broll	18657	PA
L.	Boone	16801	PA

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Mark	Nagy	19426	PA
Mary	Mester	19405	PA
Barbara	McCullough	18062	PA
Heidi	Steffy	16509	PA
Aimee	Maisano	15062	PA
Sam	Trill	15001	PA
Maureen	Morello	19119	PA
Leslie	Wantz	17268	PA
Dan	Cappello	15055	PA
Pat	Fenstermacher	18940	PA
Kathleen	Wissenz	18974	PA
Bob	Steininger	19460	PA
elizabeth	custer	18902	PA
Sherry	Frey-Brown	19518	PA
Michael	Balsai	19118	PA
Amy	Bursky	19096	PA
Dasha	Jolly	15701	PA
Marie Elaina	Rago	18067	PA
Jean	Wiant	16866	PA
Marcie	Hayhurst	15221	PA
Michele	Landis	15241	PA
Paula	Kline	19382	PA
T.	HUMMELL	18020	PA
Rhonda	Anderson	19348	PA
Judith	Henckel	00001	PA
pete	giacca	18974	PA
Anthony	Capobianco	15102	PA
Amber	Tallon	17050	PA
Mary	Leitch	19147	PA
Sherri	Fryer	15728	PA
PA	17109	17109	PA
Ronald	Pazdro	19020	PA
paula	berry	15906	PA
Kathleen	Hall-Ditchfield	19390	PA
Arlene	Adelman	15217	PA
Francine	Cohen	19083	PA
Orysia	Dagneu	19128	PA
Kathy	Lacey	19001	PA
John	Brown	17011	PA
John	Hull	19355	PA
Andrew	Benton	19422	PA
cheryl	mcmorrow	18067	PA
Garry M.	Doll	17701	PA

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Dominic	Spadaccino	00001	PA
Mona Stephanie	Benedetto	17103	PA
Charlene	Rush	15101	PA
Susan	Babbitt	19107	PA
Judy	Buchsbaum	19106	PA
Paula	Capaldo	19020	PA
Aimee	Polekoff	19446	PA
Michelle	Dudeck	15062	PA
Simon	McEntire	19027	PA
marta	Laszkiewicz	17036	PA
David	Bursky	19096	PA
Cody	Gable	17402	PA
Constance	Garcia-Barrio	19119	PA
k	danowski	15228	PA
Nicola	Cook	19425	PA
Jill	Turco	19103	PA
Lauren	Dee	19130	PA
Carol	Thompson	15129	PA
Daniel	Shapiro	15217	PA
Barbara	Drew	18940	PA
Michael	Miller Jr	19102	PA
CHARLES	CRESSON	19081	PA
Pat	Beaman	18042	PA
Judy	Bell	15227	PA
Diana	Margadonna	15670	PA
Brenda	Hartman	19604	PA
Lori	Snyder	17350	PA
Joanne	Mack	19029	PA
Thomas	Nelson	19050	PA
atoussa	mueller	19426	PA
Cynthia	Mac Farland	19111	PA
Jeffrey	Hearn	19040	PA
Deanne	O'Donnell	15601	PA
Leslie	Sharlock	16002	PA
Aimee	Albright	18964	PA
Patricia	Bond	17837	PA
Robert and Donna	Janusko	18018	PA
Debra	Hoven	18064	PA
Lori	Danko	19040	PA
Judith	Parker	19146	PA
ROBERT	BENDER	19468	PA
Diane	Krassenstein	19111	PA
Jennifer	Fuller	19032	PA

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Marilyn	Ritsky	15824	PA
Susan	Cliver	18966	PA
Barbara	Montgomery	19007	PA
Eric	Lacter	19363	PA
Susan	Gottfried	16803	PA
Anthony	DiRocco	19111	PA
Joel and Mary	Bonham	17963	PA
Marjorie	Rathbone	19010	PA
sharon	feudale	18603	PA
Dru Ann	Delgado	15120	PA
jackie	goodman	19147	PA
Garry	Taroli	18711	PA
Marliese	Bonk	15218	PA
Dawn	Mason	17901	PA
Kelly	Frank	15224	PA
Sandra	Michael	16601	PA
Maryanne	Appel	19060	PA
Kelly	Riley	19440	PA
Joe	McCullough	19094	PA
Marty	Smyczek	15031	PA
Dale	Shillito	19130	PA
Bernadette	Miller	19604	PA
Heather	Konrad	18512	PA
Adele	Fagan	18069	PA
Julie	Schampel	15133	PA
william	rastetter	19111	PA
cassy	baker	17025	PA
Tara	Ciampa	15035	PA
Nathan	Sullenberger	15601	PA
Betty	Pappas	18103	PA
Rachel	Letterle	15223	PA
Anna	Will	19067	PA
david	meade	15613	PA
Monika	McDole-Russell	19520	PA
Gail	Haaz	19130	PA
Lisa	Miller	15243	PA
Jennifer	Lowans	17222	PA
Darren	Strain	19015	PA
Lauren	Bauernschmidt	19363	PA
Susan	Schein	19119	PA
Jason	Gulvas	15801	PA
Vanessa	Varian	18902	PA
Sierra	Miller	15243	PA

Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
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Gloria	Cameron	16101	PA
Dawn	Ravaschio	18237	PA
Wiliam	VERCH-WELDON	15233	PA
craig	conn	15212	PA
Mary Ellen	Dietrich	17067	PA
Judy	Westenhoefer	19530	PA
Kristin	Cameron	19054	PA
NATHANA	MARUNICH	15211	PA
Andrea	Fleming	18954	PA
Deanna	Prine	15090	PA
Lori	Lydic	15143	PA
candace	Erb	19125	PA
Michol	Stelma	18640	PA
Jean	Lubonovich	16323	PA
Cathy L	Bacinelli	18640	PA
Ryan	Watkins	19014	PA
Salvatore	Azzolina	19605	PA
peggy	acosta	19567	PA
Elizabeth	Costa	19020	PA
Christian	Brooks	16101	PA
gail	dressel	17963	PA
Nora	Nelle	19460	PA
Amanda	C	15335	PA
Kim	Casella	19032	PA
Erika	Lombardo	19010	PA
Betsy	Miller	17050	PA
bas	van schooten	00925	PR
Lina	Collado	00901	PR
Virginia	Garcia	00907	PR
María Isabel	Pérez Diez	00730	PR
Sasha	Burgos	00765	PR
Carmen	Ortiz	00957	PR
Maria	Serrano	00616	PR
mary	furlong	H4G 2V6	QC
Betty	Stockton	H3R 3E9	QC
Caroline	Mercier	H7N5C7	QC
Joelle	Morin	H3E 1V2	QC
Bassam	Imam	H3H 2N4	QC
Louise	Sllattery	J7T 2M5	QC
Jean	Le Marquand	H7W 4P4	QC
Andrew	Locatelli	H2K 4B7	QC
Claude	Robert	J2S 3Z4	QC
Martha	Berti	H4H 2M1	QC

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Bonnie	McCrimmon	H3E 1C8	QC
Chantal	Forest	J1H 3Y5	QC
Lise	vandal	g8b5v3	QC
Doris	Potter	H4L 1Y5	QC
Rosine	Page	H1V	QC
Sylvie	Auger	G8Y 6S9	QC
sandra	deneault	j0k1s0	QC
Katrina	Turick	02790	RI
Lee Ann	Salzillo	02920	RI
ellen	goodman	02914	RI
Jacqueline	Daly	02909	RI
Jon	Martell	02891	RI
Lori	de vos	02840	RI
Rose	Siegel	02903	RI
Michael	Iacono	02920	RI
Natalia	Choquette	02860	RI
Pamela	Brightman	02915	RI
Eve Marie	Eells	02860	RI
Petra	Jenkins	02906	RI
Michael	Caputo	02919	RI
Christine	Fagan	02842	RI
Gail	Johnston	02888	RI
norman	du pont	02886	RI
P	Turick	02801	RI
Max	Salt	02895	RI
Berta	Barbosa	24900-000	RJ
Teri Leigh	Teed	29020	SC
Louis	Rhodes	29910	SC
Frances	Dailey	29205	SC
judy	thorpe	29532	SC
marilyn	shup	29906	SC
amanda	braxton	29072	SC
william	brabson	29440	SC
Kathlene	Kowalchick	29412	SC
Roy	Windmuller	29803	SC
Leigh	Murphy	29036	SC
Eliza	Solesby	29323	SC
Amelia	Linder	29212	SC
Tony	McCraney	29611	SC
Sofia	andrade	47650	SC
Kristi	Cadwell	29420	SC
Sarah	Howell	29302	SC
Dave	Williams	29420	SC

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julisu	dimucci-ward	29301	SC
stanley	charles	29715	SC
Jill	Feist	29301	SC
Nancy	Smith	29439	SC
sara	pemberton	29484	SC
Chris	Lane	29607	SC
lynda	cippoletti	29575	SC
Dr. Gloria	Bautista	29678	SC
Taryn	Alverson	29732	SC
rOSEMARIE	Häfliger	zip code	SC
Jeanne	Robinson	29464	SC
Bill	Norris	29526	SC
Ann	Stephens	29009	SC
Jeannine	Coleman	29642	SC
Caroline	Stone	29466	SC
Jeanette	Williams	57069	SD
Barbara	Onnen	57005	SD
Kenneth	New	57332	SD
Michael	Chapman	57104	SD
Laura	Hanson	57108	SD
evelyne	flament	59173	SD
Mattia	Gioeli	11735	TN
Chris	Drumright	37130	TN
Ron	Feenstra	37923	TN
Larry	Olivier	37405	TN
Joyce	Wheaton	37133	TN
Tabitha	Tracey	38068	TN
Axel	Friedrich	38112	TN
Fran	Alexander	38237	TN
Jim	Steitz	37738	TN
Amy	Biggers	37075	TN
Hiedi	Tan	37934	TN
Chris	Gibson	37130	TN
Kathryn	Quillen	37659	TN
Nancy	Beavers	37191	TN
Bettina	Bowers Schwan	37216	TN
Betsie	Cole	24202	TN
Casey	Evans	37067	TN
Marcie	Mott	37412	TN
Jeff	Martin	37921	TN
B	Morello	37890	TN
Barry	Medlin	37830	TN
Lori	Weber	37601	TN

**Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
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P	Morello	37890	TN
Jennifer	Hall	37745	TN
Paul	Lima	37037	TN
valda	purvis	04553	TN
miles	ken	37919	TN
Angela	Ford	37754	TN
Lynn	Ellis	37918	TN
Pamela	Evans	75143	TX
Patricia	Kanter-Kennedy	77099	TX
Amanda	Collins	75204	TX
maryann	lopez	77062	TX
Margaret	Humphrey	77082	TX
Robert J	Barnhart	78746	TX
Joan	IUELE	76021	TX
Michelle	Armstrong	77545	TX
amy	lagrone	78759	TX
Phil	Coleman	75249	TX
terry	roper	77840	TX
Nina	Ramos	78207	TX
Chelsea	Lindsay	78216	TX
Lori	Janick	77520	TX
cheryl	braxton	78613	TX
nadine	vergilia	78750	TX
Daniel	Reher	78240	TX
Robert	Strebeck	76039	TX
Kristen	Allbritton	75034	TX
Kevin	Rolfes	78737	TX
amanda	blanchard	77024	TX
bren	cozad	75181	TX
marissa	Allison	75401	TX
Tim	Duda	78209	TX
Kendall	Mangus	75501	TX
Phyllis	Sistrunk	76133	TX
John	Yarber	78735	TX
Kelly	Schmitz	77084	TX
Katy	Hodgkins	78620	TX
Douglas	Rives	79096	TX
Sandy	Sanderson	77009	TX
Kinney	Evitt	79761	TX
ana-maria	harris	texas 7758	TX
Ashley	Head	76111	TX
Edward	Sharp	76021	TX
Jesse	Chacon	79936	TX

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Janie	Martinez	77429	TX
anita	gore	76018	TX
Barbar	Denny	78759	TX
Irvin	Uphoff	75211	TX
Charles	Quigley	77084	TX
Cynthia	Curtis	75044	TX
bruce	Bas mussen	75227	TX
Annette	Pieniazek	77006	TX
Merry	Shrier	76112	TX
Debbie	Kreuser	78751	TX
Laura	Cartledge	77259	TX
Matt	Griffith	78745	TX
Ruth	Heino	75964	TX
Paul	Garrett	78750	TX
Jessica	namken	76021	TX
L	Borgen	76548	TX
Leslie	Harrison	77346	TX
R	MACA	78731	TX
Robert	Bugtel	78233	TX
Karen	Moon	75071	TX
Brandy	McKnight	78520	TX
Sandra	Woodall	78212	TX
Martin	Bernard	76114	TX
Amy	Elepano	77407	TX
Misty	Breaux	78749	TX
Denise	Bartlett	78644	TX
Diane	Hejl	78757	TX
Elaine	Berg	76248	TX
Christen	Morris	75205	TX
mae	Newcombe	78612	TX
Amy	Chmielecki	76544	TX
Aundreia	Seward	77060	TX
JOAN	MILFORD	76063	TX
Steve	Gonzales	78726	TX
Patti	Smith	76205	TX
Greg	Allbee	76021	TX
Yvette	Mendez	78745	TX
Ed	Greer	76016	TX
Joyce	Overton	75088	TX
Holly	Eaton	77063	TX
Joan	Lorenz	79106	TX
H.	Guh	75001	TX
Aditi	Sundarajan	75071	TX

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Hue	Moser	78729	TX
Vivan	Nguyen	76137	TX
John	Dukes	78727	TX
Susan	Sjolin	77379	TX
Sherry	Kennedy	75002	TX
Ruth	Seeliger	77025	TX
michelle	Howard	u	TX
lillian	arboleda	77035	TX
Frank	Gomez	76201	TX
Sherry	Bobick	78681	TX
Laurel	Toskey	77441	TX
Justin	Shaw	78704	TX
shelva	wood	75023	TX
b	w	79902	TX
Heather Joy	Thomas	78704	TX
Richard	Scaturro	76133	TX
Jean	Johnston	79912	TX
Beth	Hawes	78666	TX
Renee	Bryant	77365	TX
Angella	Kirwan	76262	TX
Leala	Farnsworth	75077	TX
Edward	Eversley	75401	TX
Angela	Marshall	78343	TX
Paola	Perez	75204	TX
Everly M.	Keenan	77031	TX
Ralph	Ward	75429	TX
Michael	Jones	78704	TX
david	contreras	79034	TX
Sophia	Vassilakidis	77006	TX
Kaiba	White	78704	TX
Jesus	Fuentes	75035	TX
Mona	Mehdy	78727	TX
Robert	Brunson	75229	TX
Karen	Ramirez	78539	TX
Donna	Burrows	77072	TX
Alicia	Townsend	76052	TX
Becky	Le Compte	77503	TX
Gwendolyn	Oberholtzer	78746	TX
katia	maluta	75013	TX
Thomas	Windberg	78669	TX
Shawnna	Shirley	79366	TX
Christiaan	Siano	78723	TX
Jane	Vaninger	78676	TX

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Carol	French	77099	TX
Sonia	Lara	78748	TX
Astrid	Slaughter	78664	TX
William	Brion	75252	TX
Diane	Carroll	78412	TX
Dee	Carroll	75214	TX
Brenda	Arnold	77713	TX
Teresa	Herrera	77807	TX
Kathleen	Borsch	79412	TX
Anne	Eastman	77035	TX
Jeff	Rommel	77042	TX
Susan	Lewis	77554	TX
Kara	Rourke	77381	TX
Connie	Bereman	77356	TX
Joan	Weldon	76131	TX
Lindsey	Caudill	78620	TX
Lindsey	McMahan	77035	TX
Jewel	Mogan	79413	TX
Kristin	Kavanagh	78745	TX
kathy	watt	75218	TX
D	Schoech	76012	TX
James	Iuelec	76021	TX
Nathan	Grande	75219	TX
Marisa	Morales	78641	TX
Kris	Sands	75048	TX
Sarah	Eichenlaub	75071	TX
David	Gentry	75229	TX
Judy	Landress	08412	TX
mindy	bradburn	77380	TX
Don	Landry	75218	TX
Denie	English	78801	TX
Trey	Seigler	75077	TX
Jolanta	Stern	77009	TX
amie	smith	76010	TX
Nancy	Herlinger	77493	TX
Terrie	Williams	77662	TX
Carly	Steel	78641	TX
Irmgard	Gutersohn	71679	TX
Robert II	Hatfield	77080	TX
Kathleen	Arnold	75486	TX
Sandra	Beemer	75081	TX
Bruce	Boshard	79936	TX
Teresa	Austin	78745	TX

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Martha	Eberle	78620	TX
Angela	Rovetto	78669	TX
Walter	Birdwell	78578	TX
Hiroe	Watanabe	76107	TX
Monica	Luevano	78245	TX
Carole	Frascella	77068	TX
josie	lopez	79912	TX
Monique	Allen	75225	TX
Brenden	Reeves	75070	TX
Debra	Bradford	78666	TX
Esmeralda	Duenez	79927	TX
Lorelei	Stierlen	75075	TX
Joanie	Steinhaus	78741	TX
Kaitlin	Collins	76036	TX
Tracy	Vandergriff	75567	TX
sarah	thurow	78597	TX
Tracie	Cummings	76530	TX
Brandye	Brown	75243	TX
Margaret	Walden	77379	TX
Lauren	Tata	78734	TX
Alyssa	Pampell	75206	TX
D.A.	ROY	77253	TX
Mary A	Leon	78212	TX
Malva	McIntosh	78626	TX
Vince	Mendieta	78745	TX
Tim	Phillips	76012	TX
Becky	Marek	78736	TX
Scott C.	Walker	76123	TX
Gregory	Johnson	76262	TX
Terry	Frew	77027	TX
Flodene	Glover	75459	TX
D.M.	GORE	78296	TX
Jonnie	wHITE	76117	TX
Danielle	Jesensky	79701	TX
sergio	romero	75226 1410	TX
Gayla J.	Gatling	75167	TX
Carolina	Camarillo	78046	TX
Angela	Culver	76107	TX
thomas	moore	77084	TX
MAAndy	Beltz	77406	TX
Frank	Blake	77006	TX
kristin	fulton	75763	TX
Jane	Clark	78028	TX

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stacie	wooley	77433	TX
Mark	Bedgood	75110	TX
Denise	Raper	78750	TX
Donald	Wilson	78613	TX
Shannon	Saldana	84093	UT
Stuart	McDonald	84111	UT
Robyn	Burt	84651	UT
Alexis	Todd Darger	84060	UT
Carol	Curtis	84106	UT
Jeffrey	Smith	84767	UT
Connor	Hansell	84121	UT
Richard	Perkowski	84512	UT
Melinda	Dastrup	84106	UT
J. A.	Plant	84047	UT
Sylvia Ruth	Gray	84103	UT
Richard	Waldo	84405	UT
Katie	Rahn	84098	UT
elizabeth	peck	84106	UT
sueanne	Clark	84017	UT
Gary	Hull	84405	UT
Bill	Dineen	84123	UT
Lisa	Maddux	84098	UT
Heather	Shead	84401	UT
Melissa	Erickson	84118	UT
Breanna	Reams	84097	UT
Kelsey	Palmieri	84119	UT
Joseph	Palmieri	84119	UT
Veronique	Jarrell-King	84041	UT
Mimi	Brown	84106	UT
Gabriela	Alcala	84321	UT
Jessica	Earl	84119	UT
Cecilia	Licea	77901	UT
Norma	Swink	84015	UT
Richard	James	84015	UT
Lori	Brawner	84341	UT
Judith	Shematek	23696	VA
Carrie	Copson	22973	VA
Ronald	Johnson	20151	VA
Debbie	Slack	24502	VA
John	Cannon	22630	VA
Gerard	Lehman	22304	VA
Beverly	Bradshaw	22408	VA
Kevin	Hayton	22601	VA

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Dr. Bobby and Ginny	Bonometti	22603	VA
Tami	Palacky	22153	VA
Pat	Petro	22205	VA
Betty	Ford	23114	VA
John	Fray	24121	VA
Nancy	Alexander	23060	VA
Deborah	Kieffer	22153	VA
Jr	Summer	23221	VA
Theodore	Zook	22207	VA
Kelsey	Cooper	32224	VA
MARTIN	Baskin	22314	VA
Dori	Rhodes	20175	VA
Robin	Horne	23454	VA
William	Stewart	22207	VA
Linda	Walters	23462	VA
M.C.	Valero	23456	VA
Peter	Wright	23229	VA
Swami	Daasyaananda	23921	VA
Derek	Meyer	22305	VA
Ann	Finn	22207	VA
Storm	Cunningham	22207	VA
Mary Catherinr	Epatko	20170	VA
Liz	Collins	22205	VA
Cheryl	Zellmer	20121	VA
Nils	Bahringer	23451	VA
Katarzyna	Kubzdela	22124	VA
Paulettekk	Kaplan	22030	VA
betty	tansill	22824	VA
Devon	Kendall	23456	VA
Carleton	Vickers	20191	VA
Margie	Wildblood	22030	VA
Thane	Harpole	23072	VA
Terry	Loomis	24012	VA
Richard	Rutherford	24401	VA
Karen	Fedorov	22712	VA
gabrielle	de encio	22030	VA
Kendra	McGaha	20166	VA
Adam	D'Onofrio	23803	VA
Louise	Wallace	22031	VA
Randy	McFarland	23059	VA
Katherine	Runge	22150	VA
Cathy	Hoolapa	23061	VA
Charles J	Whittle Jr	24325	VA

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charles	shelton	24441	VA
Damon	Phillips	22311	VA
Micha	Koenig	22949	VA
Martin	Albert	22911	VA
Kathleen	O'Sullivan	23024	VA
Sara	Gann	22213	VA
Mason	Peay	24090	VA
Angela	Lockhart	20164	VA
James	Jeffrey	23456	VA
Anthony	Jordan	23228	VA
Tiffany	O'Neal	23707	VA
Chrisy	Costello	23116	VA
Elaine	OMalley	22041	VA
Shenoa	Herlinger	22204	VA
BRIAN	PAPPAS	23462	VA
Charity	Moschopoulos	22003	VA
Simone	Alves-Moraes	20102	VA
Carol	Lipper	24090	VA
David	Vespa	22203	VA
Ana-Maria	Bonner	23059	VA
Gloria	Clifford	23116	VA
Julia	Paul	20164	VA
Liz	Dyer	22307	VA
Susan	Riegner	22031	VA
Annie	Peterson	22042	VA
Donna	Shaunesey	22903	VA
Jason	Green	22551	VA
melissa	faulkner	23225	VA
Suzanne	Heath	22554	VA
Frida	Simms	22314	VA
Grace	Holden	22207	VA
Kathy	Frietsch	23060	VA
theresa	hebron	22485	VA
necole	cook	24153	VA
Elaine	Fischer	24018	VA
Elizabeth	Fulton	22407	VA
Susan	Donner	23434	VA
Lynn	Goldberg	20110	VA
Jennifer	Miles	03195	VI
Fiona	Stuart	00802	VI
Sana	De	00002	VI
lorenz	steininger	86558	VI
Lindsay	Genier	05733	VT

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David	Cooch	05060	VT
dorian	Sarris	05826	VT
Ainslie	Gilligan	05301	VT
Stephanie	Tholand	05401	VT
Jean	Thompson	05850	VT
Claudia	Stoscheck	05753	VT
Bob	Donham	05602	VT
Peter	Lackowski	05401	VT
Sarah	Gilmore	05465	VT
Arthur	Coates	05146	VT
Cristiane	Ferreira	13469413	VT
Crystal	Young	05601	VT
Bianca	Caputo	05843	VT
Nina	Isis	31823	VT
MARCO	PARRAVICINI	20159	VT
Amber	Sherman	05201	VT
Marcie	Dunne	98632	WA
Ilona	Selke	98292	WA
Edie	Sine	98110	WA
Dorian	Bowen	98003	WA
Noelle	Royer	98118	WA
Kathleen	Wolfe	98198	WA
Bronwen	Evans	98101	WA
Geni	Norby-Thorbecke	98607	WA
Hiroko	Patterson	98383	WA
Lisa	Vandermay	98058	WA
Charles	Robertson	98117	WA
Jerlene	Walberg	98199	WA
ellen	dorfman	98501	WA
Robert	Whitbeck	98027	WA
Diana	Smith	98125	WA
Craig	Geiger	98501	WA
Mare	Wahosi	98329	WA
Scott	Widdas	98383	WA
James	Mulcare	99403	WA
Kathleen	Malley	98408	WA
Hugh	Harkins	98225	WA
William	Prickett	99126	WA
Kimberly	Crane	98290	WA
Den Mark	Wichar	98660	WA
Liz	Campbell	98103	WA
Robert B.	Kaplan	98362	WA
Sammy	Low	98248	WA

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Walter	Kuciej	98199	WA
Sharon	Stroble	98119	WA
Mary-Margaret	O'Connell	98506	WA
Adina	Parsley	98248	WA
Joyce	Grajczyk	98031	WA
James	Roberts	99161	WA
Emily	Willoughby	98188	WA
christa	link	99206	WA
Ande	Edlund	98052	WA
Brian	Baltin	98102	WA
Sonja	Aikens	99362	WA
Diane	Weinstein	98029	WA
Jack and Anita	Waytz	98229	WA
Robert	Rowland	98107	WA
Allen	Bauer	98155	WA
Hannah	Gardner	98036	WA
Betty	Chan	98155	WA
Kenneth R	Beasley	98115	WA
karine	werner	98260	WA
Amanda	Mikalsen	99128	WA
Vicki	Richardson	98383	WA
Connie	Wargo	98274	WA
Gayle	Janzen	91833	WA
Craig	Zimmerman	98370	WA
Jim	Gayden	98684	WA
Richard	Curtis	98542	WA
Lisa	Thomas	98027	WA
Stanley	Jones-Umberger	98671	WA
Shelly	Peterson	98499	WA
Chuck	Ricevuto	98844	WA
Barbara	Temple-Thurston	98406	WA
Heidi	Gould	98589	WA
Julene	Weaver	98105	WA
sean	guffey	98926	WA
Robert	Campbell	98844	WA
karen	kelly	98282	WA
Aimee	Cervenka	99224	WA
Alwyn	Jones	98261	WA
Diane	Shaughnessy	98406	WA
Albert	Bechtel	98105	WA
Jack	Stansfield	98292	WA
Faith	Seetoo	98133	WA
Carole	Huelsberg	98368	WA

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john	seeburger	98498	WA
wendella	heckerson	98032	WA
marilyn	evenson	98445	WA
Beth	Kleparek	98146	WA
Lance and Ginny	Packer	98277	WA
Glen	Carroll	98178	WA
betty	storey	12345	WA
jeanie	richmond	98631	WA
Matthew	Cloner	98138	WA
Conor	Corkrum	98102	WA
Susan	Bechtholt	98367	WA
Nance	Nicholls	99122	WA
Crystal	Aguilar	98007	WA
Daniel	Swink	98666	WA
laura	mendoza	98392	WA
may	pendergrass	98118	WA
Ai	McCarthy	98052	WA
jessy	jones	98509	WA
Lael	Bradshaw	98282	WA
Joe	Fisher	98117	WA
Kym	Tuvim	98408	WA
Karen	FitzGerald	98229	WA
robert	nevills	98922	WA
patricia	reid	98070	WA
Kathryn	Long	98382	WA
virginia	adams	98403	WA
LAURETTE	CULBERT	98107	WA
Stuart	Johnston	98635	WA
Ginger	Daub	98104	WA
Barbara	Matthiessen	98366	WA
carolyn	sherrard	98105	WA
Harley	Shelley	98520	WA
garrison	king	99163	WA
Lesley	McCormmach	99362	WA
William	Bumgardner	98105	WA
Astha	Tada	98106	WA
Samantha	Rich	98133	WA
Norman	Baker	98382	WA
Kisha	Brown	98002	WA
Anne	Mack	98040	WA
Douglas	Lomas	98226 4232	WA
Craig	Randleman	99207	WA
k	g	98360	WA

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Danielle	Bower	98125	WA
Jerry	Matsui	98122	WA
Margaret	Woll	98225	WA
Ruth	Darden	98101	WA
Kristina	Cox	98512	WA
Caitlin	Rather	98155	WA
Deborah	Fisher	98117	WA
Mary	Riley	98550	WA
David	Casey	98105	WA
Austin	Boese	98801	WA
Renee	Vincent	98245	WA
Mary	From	98021	WA
KArina	Soerensen	04200	WA
Dennis	OBrien	98119	WA
Gary	Norris	98155	WA
Karen	Peralta	98028	WA
Angela	Smith	98168	WA
Christopher	Melvin	98292	WA
Linda M	Eiseman	98058	WA
Sharon	Palko	98513	WA
Barbara	McKee	98664	WA
James	Baron	98223	WA
Tatiana	Korry	98102	WA
Sharon	Fetter	98371	WA
Marsha	Adams	98057	WA
Lindsay	Myers	98237	WA
Irene	Yong	60000	WA
Tracy	Ouellette	98232	WA
Jeff	Widmer	98144	WA
Nick	Barcott	98087	WA
g	g	98360	WA
MARGARET	HASHMI	98226	WA
Angela	Eads	99301	WA
Barbara	Birnbaum	98109	WA
Lainey	Clark	98133	WA
Melissa	Schmidt	98282	WA
Geoff	Jones	99156	WA
Eldon	Ball	98125	WA
Elaine	Laurin	53576	WI
Robb	Mottl	53118	WI
Judith	Zabriskie	53716	WI
Cherrie	Kerwell	54911	WI
Ruth	Johnston	53130	WI

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.Sharon	johnson	54020	WI
Yvonne	Christison	54481	WI
Brian	yanke	53719	WI
Paula	Bloodsaw	53718	WI
Karin	Kozie	54891	WI
Ellen	Gutfleisch	53089	WI
Mary	Neumann	53226	WI
Dan	Ziegler	53073	WI
Kyle	Ruedinger	54904	WI
DJ	Zalac	53214	WI
Joyce	Frohn	54901	WI
fran	field	54656	WI
Deb	Miller	54241	WI
Ed	Sahagian-Allsopp	53208	WI
Frank	Myers	53562	WI
Tamara	Pukowiec	53562	WI
David	Skryja	53188	WI
Anna	Bechner	53562	WI
Cheryl	Ulrich	54455	WI
Teresa	Eaker	54124	WI
PENNY	FISH	53081	WI
jolie	janisch	53916	WI
Britton	Saunders	53207	WI
Jim	Pech	53714	WI
deena	leinon	54536	WI
Chris	Casper	53719	WI
Richard	Ouren	53573	WI
Mark M	Giese	53403	WI
Jackie	Tryggeseth	53583	WI
Linda	Soldan	53029	WI
Jill	Cleveland	53115	WI
Gail and Rick	Konopacki	53704	WI
Beth	Beck	53717	WI
Tiffany	Buell	63110	WI
jeannie	roberts	53705	WI
Hannah A.	Hansen	54452	WI
Thomas	Vollman	53210	WI
Michael	Price	53158	WI
Randy	Beckman	53142	WI
Marcia	Bringardner	53185	WI
Suzanne	Dunham	53545	WI
Rhiannon	Gomez	53545	WI
John and Martha	Stoltenberg	53020	WI

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Sarah	Foster	53704	WI
Heather	Kalb	26003	WV
Bev	Ondick	25419	WV
Victoria	Brownlee	25262	WV
Missie	Smith	25071	WV
Sandra	Evans	26501	WV
Mary A	Borchers	26757	WV
Warwick	Neal	24861	WV
Darrell	Dean	25504	WV
Whitney	Metz	26582	WV
Cynthia	Herndon	25404	WV
Cyndi	Haynes	24701	WV
Tessa	Bragg	26408	WV
Gloria	Lee	25425	WV
Gayle	Becker	25419	WV
Warwick	Neal	24861	WV
Roberta	Collins	82935	WY
Denise	Benning	82009	WY
Kim	Johnson	83128	WY
Erin	Leonard	82721	WY
*	Zentura	82604	WY
Robert	Ford	82009	WY
Sandra	Materi	82604	WY
Dorothy	Savage	82901	WY
Iskra	Dakovic	10000	YT
Roberto	Oliveira	22743	YT
Neil	Herring	95472	
Russell	Lichter	94945	
Randall	Frederick	95409	
Francoise	Rothstein	94941	
susie	schlesinger	94952	
Wes	Coffman	94931	
Gail	Lauinger	95460	
rex	franklyn	94920	
Mary	Manning	94930	
Mike and Margie	Wilson	95444	
Jon	Breyfogle	94951	
Rebecca	Irwin	94901	
Mary	Farquhar	94109	
Delinke	Freed	94928	
Beverly	Slack	94960	
Suzanna	Anderson	94957	
Susan	Ackerberg	95403	

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Benna	Kolinsky	95415	
Gary	Abreim	95472	
Thaddeus	golas	95448	
Mary	Vedovi	94930	
Mia	dorso	94606	
Penny	Cantor	95472	
Eric	Guenther	95472	
lucia	roncalli	95404	
Victor J	Ortega	95492	
David	Snyder	94930	
Chris	Gralapp	94930	
James	Pendergast	95476	
Megan	Leach	94960	
Kathleen	Alexander	95482	
Nancy	Petranto	94949	
raymond	stephan	90713	
L	PAPKE & FAMILY	95444	
Cindy	Fox	94952	
Shawn	Zubicek	95490	
Steven	Nielsen	95403	
Sheila	Colombana	95466	
Skot	McDaniel	94947	
J	Froiland	94928	
Moss	Henry	95403	
Liani	Bernal	95472	
Nancy	King	95404	
Ronald	Lippert	95490	
Susan	Fox	94965	
Carrie	Durkee	95460	
Jeffrey	Loe	95401	
John	Lodin	95460	
Jessica	Chandler	95472	
SAMANTHA	O'NEILL	95404	
Molly	Hogan	94928	
Gunder	Borcher	02000	
Steve	Alexander	95404	
Ethan	Fox	91360	
Chrystal	Coleman	92083	
Gabriel	Madrigal	95490	
Liz	Scudder	55308	
Lia	F	94611	
Cindy	McMullan	62236	
Annette	John	83233	

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Marine Sanctuaries (NOAA-NOS-2012-0228-0001)**

Jessica	Olstad	98107	
Michelle	Mannino	22032	
Alanna	Litz	95816	
JEAN	DARRAH	44077	
Blanca Georgina	Ortega Rodríguez	58170	
maria	de kock	3077ka	
Mercedees	Lynn	60033	
Lucy	Petryszyn	Nn5 5pd	
Matt	Hepplestone	11n1b2	
David	Allison	98584	
Reynold	KNOPS	77546	
Shawna	Blevins	81601	
Fern	Schneiderman	94117	
Christina	Morrisett	94309	
Eileen	Mitro	95482	
Linda	Geeson	92530	
Lynette	Dumont	80401	
margarita	miñano fernandez	30530	
carol	McGeehan	49423	
Peggy	Detmers	57702	
dave	falcon	12345	
Rena	Lewis	93023	
Hector	Garcia	90038	
Dave	Huber	92624	
Alexander	Astudillo	21774	
S	C	06082	
Janet	Chase	86336	
judith	muir	03942	
Patricia	Borges	19970-000	
Ewa	Roselli	02830	
Vanessa	Wolfe	02450	
Susan	Draffan	93023	
Fenando Alonso	Quiros Nuñez	20701	
Sharon	Morris`	94541	
kym	dawson	05161	
naomi	yokoyama	94115	
Shelly	Reider	94044	
lisa	d.	92658	
Julie	Aronson	95409	
Deborah	Goldstein	93940	
Treycee	Baker	03043	
Edith	Kantrowitz	11218	
roxana	sandoval	92173	

**Support Boundary Expansion of Cordell Bank and Gulf of the Farallones National
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Tim	Strong	28646	
Moira	Brennan	94901	
Susan	Yeres	94903	
Valerie	Porter	94518	
Koldo	Uribe-Etxebarria	48530	
Stacey	Enriquez	96789	
Sarah	Phillips	TN35	
Anna	Krizhevskaya	61000	
Nathalie	Dejong	01180	
Tina	Edwards	PI20 6JY	
valerie	devigne	67700	
Tom	Sutton	Cf644tp	
joana	stephani	60286	
Chris	Murphy	32804	
Nancy	Widman	77520	
J	Shamosh	85016	
Mary Ann	Kirsling	99302	
Audry	Seger	73102	
Thomas	Boyd	91602	
Laurie	Keller	49445	
Judit	Raa	1506DK	
Joyce	Malone	95060	
Evelyn	Hille	---	
Sam	Morris	S10 2TN	
Alan	Eliason	97408	
Titus	Rivas	6533 RT	
tim	gitchel	95410	
Andrea	Kellberger	22527	
Alexandra	Coventry	75005	
silke	kleinhenz	97202	
Jennifer	Lalumendre	60914	
Kyra	Herndon	53548	
Danielle	Tran	T3A3S4	
Maria	Carvajal	85450	
Syd	Most	97217	
Joseph	Breazeale	94521	
Joanne	Hill	SE5 8JN	
Cheryl	DeShaies	34109	
Gary	Rennebohm	97229	
Pablo	Burkolter	C1186AAQ	
Sandra	Allen	78664	
Cecily	Colloby	tr24hx	
TAGALAKI	ANGELA	104-44	

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susan	mcquin	sa62 6bg	
Cesar	Pollo	24008	
Sheilah	Eubanks	32766	
Beate	Zang	63801	
Kara	Peragine	95616	
Tom	Kells	PL4 7DF	
Penelope	Culbertson	97214	
Su	Godwin	90814	
Anonymous	Cohn	94965	
Paige	Dunlap	78702	
Douglas	Ardley	95062	
Marcelle	Heller	06027	
Sebastian	Wallerius	45145	
JOSE FRANCISCO	LOPEZ	63579	
Carol	Davey	02472	
Sheila	Schoenfeld	33467	
Will	Truex	07840	
géraldine	crapuche	78960	
june	m	32966	
valentina	cerrito	38450	
c	bullare	65255	
Margaret	Sun	95949	
Chris	Neef	75002	
Sylvia	Splettstößer	12045	
Rachel	Colomb	02100	
Bill	Koukmenides	03021	
anou	freesprit	94114	
Susanne	Seidler	04916	
clifford/christine	schmutz	07005	
Petra	Schroth	76337	
Cynthia	Denny	95118	
Patricia	Reese	94706	
Mary	Mika	99709	
forgeot	elisabeth	76320	
Trautel	Schönheit	07407	
Lisa	Davis	98360	
luz	miguel	01550	
Veronica	Marti	07530	
Jo	Smith	02226	
Sofia	Basílio	8800-408	
Inez	Alves	G84 9DX	
Janice	Ayton	TN34 3SJ	
Paola	Squizzato	00000	

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Enrico	Degli albizzi	00000	
kerry	bryan	me7 4pz	
caroline	gonot	92100	
Paul	McMurtry	98103	
Donna	Knipp	10034	
epp	vander galien	8435va	
Nike	Henriksson	41476	
Nicole	Heslip	94960	
Angela	Rhodes	OL8 3DW	
maryse	bazin	62000	
Chernyshev	Alexander	617060	
Greta	Konovska	05000	
Katie	Matcham	F107	
Cynthia	Crawford	m6n3p5	
Maya	Bohan	1509BE	
Joycey	Berry	28716	
Celia	Torres	02770	
Samantha	Nagy	N2p1c1	
Jenni	Bailey	04740	
gwenola	prigent	71480	
Federico	Remondi	21020	
Diane	Smith	93446	
Sam	Krueger	94530	
desi	panis	09050	
bart	de cuyper	09050	
popi	demetriadou	02115	
Adele	Prandini	94044	
Matteo	Dei Cas	21050	
jane	mac	66606	
Tabitha	Fronk	90291	
shelley ruth	wyndham	19128	
Jessa	Madosky	28778	
Mafalda	Vieira	4535-204	
Janet	Roxburgh	97203	
Klaus	Rupprecht	D-90469	
Debra	Short	80016	
claudia	bonnett	12031160	
annelies	mullens	35000	
Melanie	De Clerck	02960	
eva	perez	24430	
		93380	
Addy	Seeley	60115	
Andrew	Stevenson	DE4 3GS	

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Jarmo	Mäkinen	02280	
Daniel	Estrella	94044	
claudia	pucci	06460	
Will	Emerson	95454	
Alan	Sutton	DN39 6UE	
NINA	REZNICK	10003	
Brent	Rusert	95437	
Briana	Post	33139	
Hannah	Beadman	90026	
Shannon	Drohan	63011	
Jason	Baigent	T2J4H3	
Debra	Garoutte	97527	
Michael John	Smith	SI 1000	
Jo-ann	Tellado	07701	
Lisa	Williams	85254	
Judi	Thiel-Silver	90731	
Linda	Parkinson	96521	
Natalia	Efler	14070	
eric	biemuller	08505	
Nick	Grantz	26234	AA
adene	katzenmeyer	96094	AA
Janice	Kozakewich	T6K3C5	AB
Martha	Steenstrup	T6G 1S2	AB
Anna	Heiter	t2x2y5	AB
G	M	55001 1234	AB
PATRICIA	Poussin	T2X3E4	AB
Aileen	Lagu	T9J1H3	AB
Elizabeth	Mitchell	T8R 1E3	AB
Jeannette	Bolli	t6h4y7	AB
Maria	Schneider	80333	AE
nina	gondos	99502	AK
Renae	Thompson	99507	AK
Lesli	Ruiz	99705	AK
Jessica	Grantier	99507	AK
Carmen	Calleja	30004	AK
Tina	Brown	99801	AK
Dr. Susan M	Whitefeather	99645	AK
Lynn	Wilbur	99835	AK
David	Hribar	99645	AK
Lynnda	Strong	99835	AK
maria rosaria	bruscia	05016	AK
dogan	ozkan	99701	AK
Christine	Witzmann	99516	AK

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carla	green	99688	AK
Christopher	Romo	99775	AK
kathleen	peterson	99518	AK
Dorthe	Nissen	06430	AK
Ivan	Stoyanov	99501	AK
Zara	Ivanova	99501	AK
georgikopoulou	vasiliki	85100	AK
Bea	Wimmer	74523	AL
Dawn	Todd	35244	AL
Gail	McMahon	35205	AL
Chan	Darby	35630	AL
Tom	Ress	35613	AL
Estefania	Valencia	36532	AL
Alejandra	Alexay	88402	AL
Serra	Driver	06108	AL
Denise	Parks	35810	AL
Angela	Shadwick	35184	AL
Samuel L.	Vance	35801	AL
Ornela	Mebelli	01000	AL
MARIA	VASILEIOU	18532	AL
yeok	eu	54100	AL
sandra	arapoudis	85100	AL
Lisa	Stewart	35222	AL
Jeanne	Merchant	35226	AL
Matthew	Ashmore	35404	AL
Vicki	Douglas	36695	AL
Uta	Cortimilia	35967	AL
Megan	Steed	35040	AL
Tim	Steed	35040	AL
shahar	marcus	98457	AL
Jenny	Mertikas	18536	AL
Bronzesean	Knight	36108	AL
Adriane	Ferreira	35004	AL
freddie	diplacido	35801	AL
Rebecca	Sheldon	72601	AR
Joan	Reynolds	72756	AR
r dean	james	72034	AR
JAMES	PRATT	71635	AR
Kirk	Rhoads	72653	AR
linda	Chandler	72136	AR
Connie	Stuart	72401	AR
Judy	Bash	72211	AR
Carly	Williams	71653	AR

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Sherry	Bailey	71902	AR
Mia	Le roux	00186	AR
Bob	Kinzel	72205	AR
Doraine Job	Job	60388	AR
Adam	Belanger	72210	AR
Stephanie	Cowles	94703	AR
Pamela	Phillips	72634	AR
Argi	Robles	01878	AR
Debbie	Williamson	72654	AR
Mattioli	Clarisa	02000	AR
James	Brown	85635	AZ
Marilyn	Hanson	85743	AZ
Natasha	Douglass	86340	AZ
Leticia	Garcia	85252	AZ
Jeff	Tanner	86336	AZ
Joey	Svetly	86301	AZ
Terri	Spurr	85754	AZ
Christopher	Houseman	85719	AZ
Chuck	A	86236	AZ
Lenard	Milich	85718	AZ
mary	Strassell	86323	AZ
martha	boltares	85706	AZ
b	pelton	85375	AZ
Patty	Hackett	86409	AZ
Terry	Tedesco-Kerrick	85016	AZ
ACE	HULL	85086	AZ
Janis	Beaudette	86303	AZ
Norma	McCulloch	85382	AZ
Dianne	Douglas	85042	AZ
karen	Bond	85283	AZ
Michael	Werner	86636	AZ
Ruth	Bescript	85747	AZ
Vickie	Rudd	85013	AZ
Lynn	Crandall	86326	AZ
Richard	Arthur IV	85085	AZ
Bridget	Bell	85021	AZ
Elan	Carlson	86326	AZ
Jerome	Roth	85281	AZ
Stacy	Stumpf	86001	AZ
DIANA	TOMLINSON	85602	AZ
Katherine	Hinson	85296	AZ
Rob	Maggs	85016	AZ
Louise	Freshley	85206	AZ

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Mark	Findler	85338	AZ
Karen	Kravcov Malcolm	85262	AZ
Marcia	Kiefer	85266	AZ
Ken	Kurtz	85003	AZ
Dona	LaSchiava	85741	AZ
Kinga	Lennon	85122	AZ
naurlene	canterman	85750	AZ
Kathryn	Richardson	85925	AZ
Spenser	Babb-Biernacki	85382	AZ
Helen	Weber	85650	AZ
Elizabeth	McCleary	85138	AZ
Elizabeth	Collard	85194	AZ
scott	valenti	85085	AZ
Kristi	Woodruff	85374	AZ
Patricia	Berry	86340	AZ
TONI	THOMAS	85748	AZ
Michelle	Chambers	85716	AZ
Bruce	Switzer	85718	AZ
Sarah	Anderson	85201	AZ
Duncan	Brown	85710	AZ
D	Wolf	85603	AZ
raffaella	sirugo	96017	AZ
Miranda	Hansen	85704	AZ
Victoria	McConnell	85713	AZ
MICHAEL	SCHUESSLER	85719	AZ
richard	leibold	86413	AZ
Manny	Martinez	85603	AZ
Justin	Schmidt	85745	AZ
Cindy	WEBB	85209	AZ
Norman	Ross	85262	AZ
jana	austin	86301	AZ
Philip	Shook	85281	AZ
Joyce	Strickland	85715	AZ
Sarah	McLean	86336	AZ
Lois	Jordan	85749	AZ
Jennifer	Waters	85285	AZ
Joan	Price	85258	AZ
Paul	Hess	85340	AZ
Mireya	Landin-Erdei	86442	AZ
Keith	Turner	85331	AZ
Linda	Bescript	85747	AZ
Kate	Buttles	86340	AZ
SUE	DEAN	85266	AZ

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David	Schafer	86322	AZ
Ida Rose	Pena	85042	AZ
Georgia	Braithwaite	86326	AZ
Meggie	T	85202	AZ
Lin	Baer	85209	AZ
tom	sullivan	85746	AZ
Shawn	Rorke-Davis	85012	AZ
Sharon	Thompson	86427	AZ
Michele	Mercer	85122	AZ
Suzanne	Sparling	85206	AZ
Kimberly	Short	85225	AZ
Dianne	Douglas	85042	AZ
Diane	Kent	85032	AZ
Maia	Kincaid	86340	AZ
Michele	von Kampen	85013	AZ
Richard	Whitehouse	85224	AZ
Elizabeth	Anderson	V0P1K0	BC
Paul	Brend	V8P3L3	BC
Gordon	Wirth	V8L5R1	BC
Mary	Benesovsky	V3J 2V1	BC
Katha	Kerr	V3S 4W2	BC
Lyn	Hartfield	V1P 1R6	BC
John	Hill	V6E 3Z8	BC
lisa	jeremic	v9a 2c5	BC
Matt	Van Gils	V4X 2K9	BC
Rob	Harrison	V6J	BC
Allison	Kermode	V5A1S6	BC
Ella	Reeves	V2B6H7	BC
Karen	Fagan	V3R 0W8	BC
Alys	Granados	V5Y 2A6	BC
Adrian	Matangi	V6j 1r6	BC
Greg	Cameron	V3S 2R9	BC
Alexandria	Walker	v3l 119	BC
Dianne	Carlson	V4A7S6	BC

OCEAN OBSERVATION INITIATIVE REPORT

The Ocean Observatories Initiative (OOI) is a collaborative ocean observing system funded primarily through the National Science Foundation, and managed through the Consortium for Ocean Leadership. The OOI has deployed monitoring arrays in several locations in the Pacific and Atlantic Oceans, including off the coast of the Pacific Northwest.

Dr. Bob Collier will provide an update on information generated from the OOI arrays, and answer questions from the Council.

Council Task:

Discussion.

Reference Materials:

None.

Agenda Order:

- a. Agenda Item Overview
- b. OOI Presentation
- c. Reports and Comments of Advisory Bodies and Management Entities
- d. Public Comment
- e. Council Discussion

Kerry Griffin
Bob Collier

PFMC
03/22/13



Ocean Observatories Initiative

NSF's Ocean Observatories Initiative: Building Research Infrastructure for the Pacific Northwest and the Broader Community

Presented by Ed Dever

College of Earth, Ocean and Atmospheric
Sciences (CEOAS)

Oregon State University



PFMC talk
March 6, 2013



Structure of talk

- Introduction to OOI
- Regional Scale Nodes (cabled array)
- Endurance Array (cabled and uncabled array components)
- Glider, Benthic Experiment Package, Mooring Videos

Introduction

- infrastructure (moorings, profilers, AUVs, gliders, and seafloor platforms) to measure physical, chemical, geological and biological variables at the air-sea interface, in the ocean, and seafloor.
- integrated by a cyberinfrastructure to manage resources and bring data to scientists, educators and the public.
- Education and Public Engagement component.
- Funded by the **National Science Foundation** through the Consortium for Ocean Leadership (OL). OL funds the implementing organizations



OOI Science Themes



- Coastal and Global Scale Nodes (Global, Endurance, Pioneer)
 - Ocean-Atmosphere Exchange
 - Climate Variability, Ocean Circulation and Ecosystems
 - Turbulent Mixing and Biophysical Interactions
 - Coastal Ocean Dynamics and Ecosystems
- Regional Scale Nodes
 - Fluid Rock Scale Interactions and the Sub-Sea-floor Biosphere
 - Plate-Scale Geodynamics



3

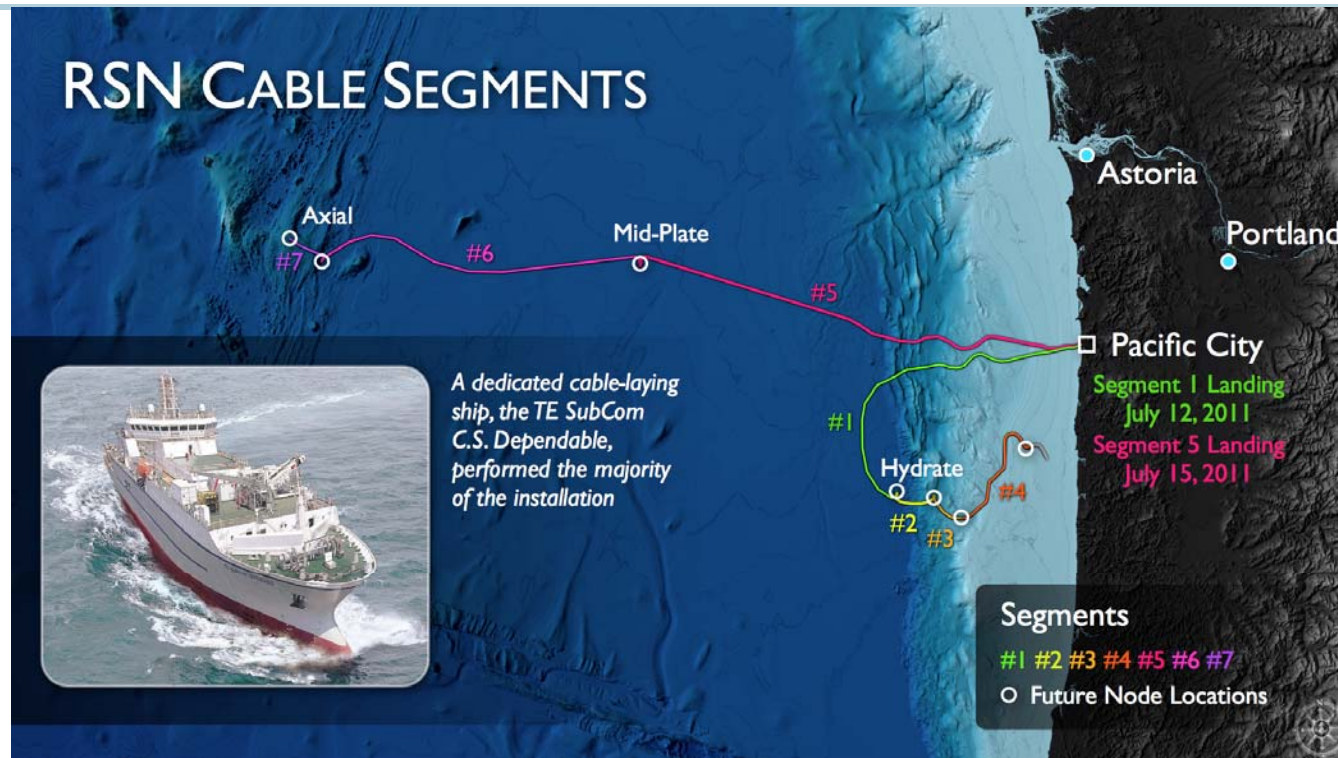
PFMC talk
March 6, 2013



OOI By the Numbers

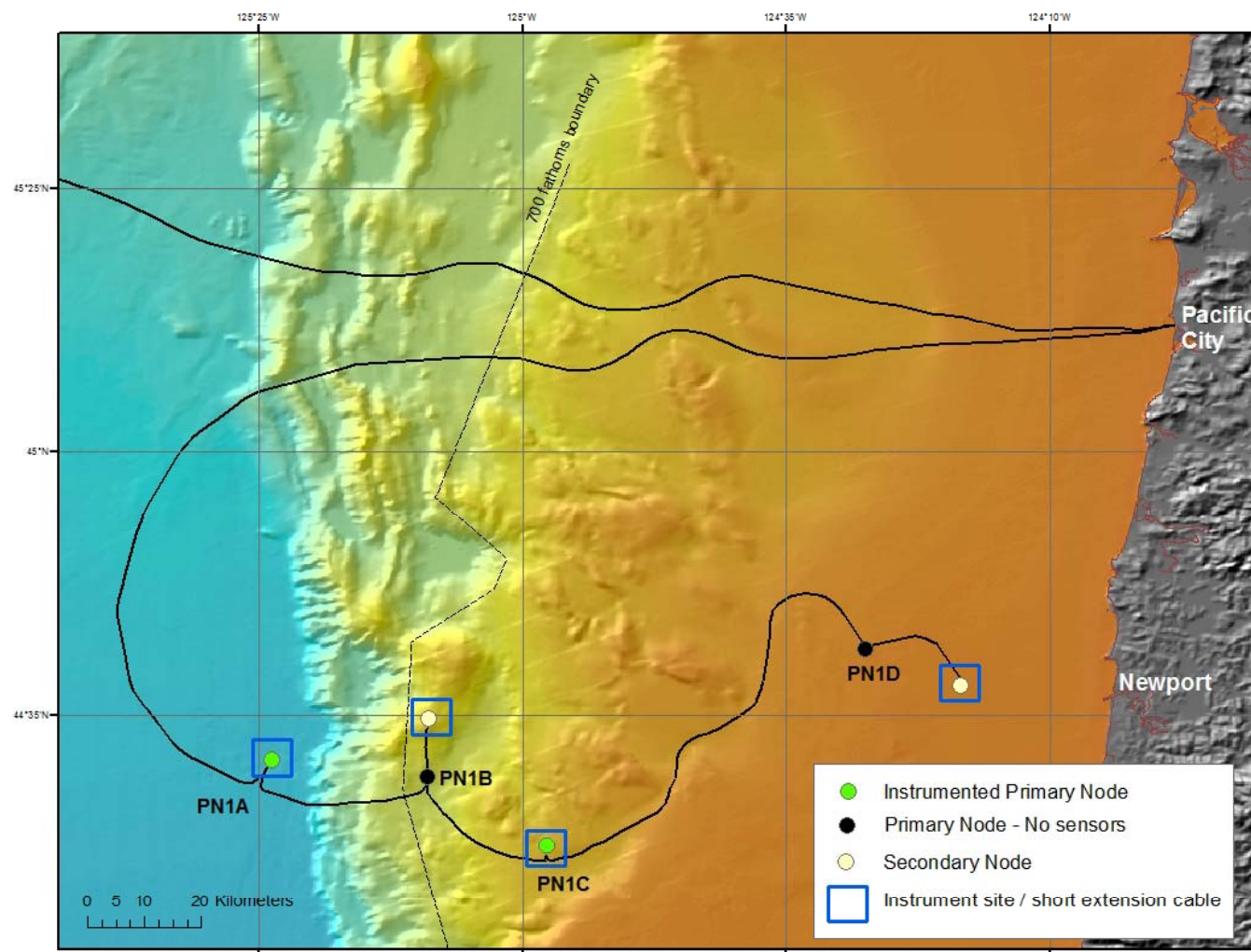
- Number of Arrays: 7 (4 Global, 2 Coastal, 1 Regional Cabled)
- Types of platforms: Gliders, AUVs, profilers, surface moorings, fixed instrument chains, seafloor and subseafloor installations
- Number of simultaneously deployed instruments: 764
- Number of instrument types: 48
- Data Volume Produced: 3 Petabytes/year
- High power (10kV) and high speed data (10Gbs) fiber optic cable, satellite modem, acoustic modem, inductive modem
- Build: 5 years
- Operations: 25 years +
- See oceanobservatories.org for more information

Regional Scale Nodes (RSN)



The RSN will provide high power and high bandwidth connectivity to instruments installed on the seafloor and deep water column moorings via undersea fiber optic cables. Two electro-optical undersea cables, totaling 880 km, were installed, landed, and connected to the shore station at Pacific City, OR.

2013/2014 operations – Secondary infrastructure



2013:

Seabed sensors and short surface laid extension cables

2014:

Water column sensors and moorings

2013/2014 operations – Secondary infrastructure

Science requirements

- sensor positions based on scientific value
- sensor extension cables less than ~1km in length

Feasibility

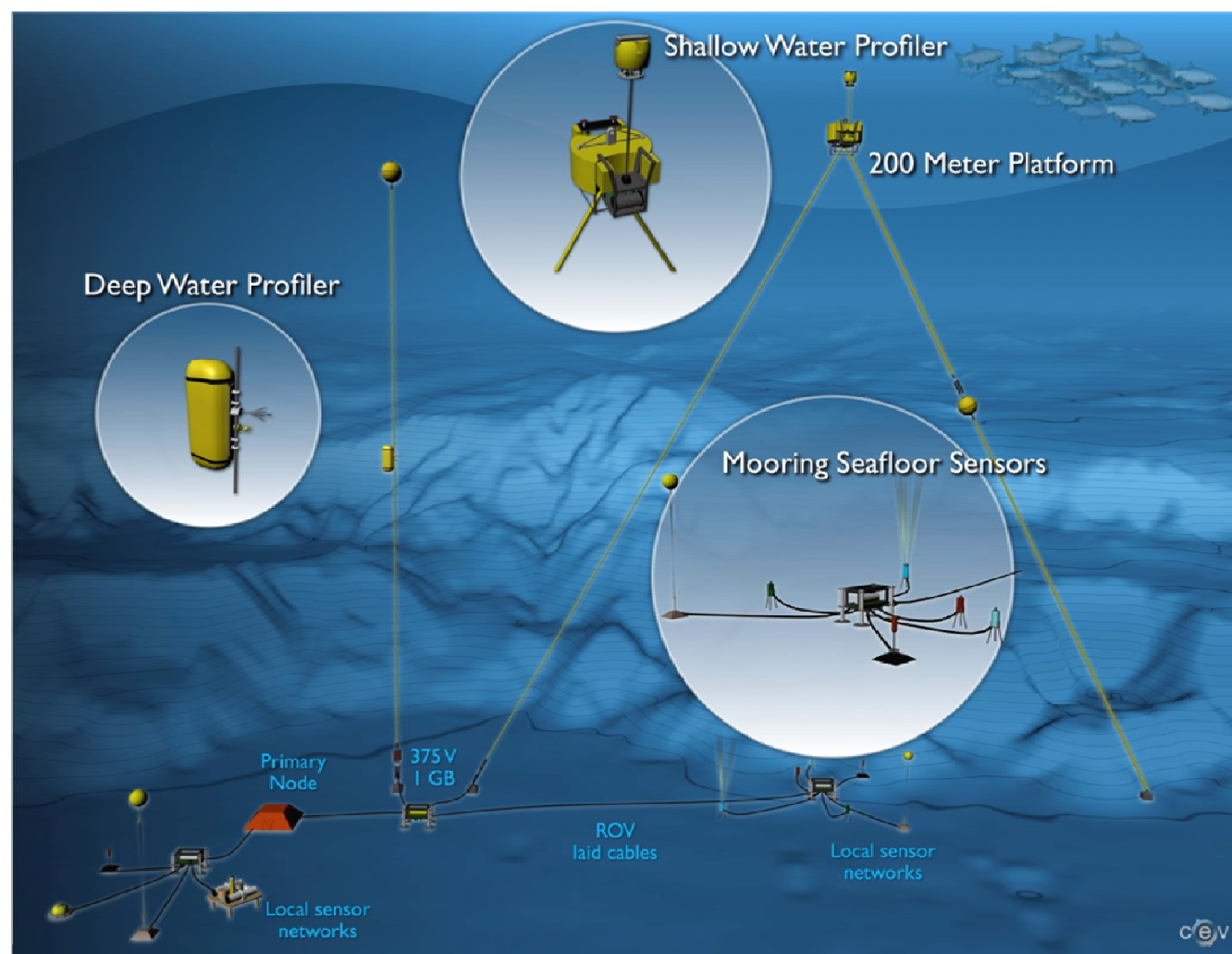
- Based on site conditions: landing, bathymetry, geology, currents

Other marine users

- fishing & recreational activities
- existing submarine systems
- Environmental hazards and protected areas

 **Minimize impacts and maximize protection of the OOI network**

2013/2014 operations – Secondary infrastructure



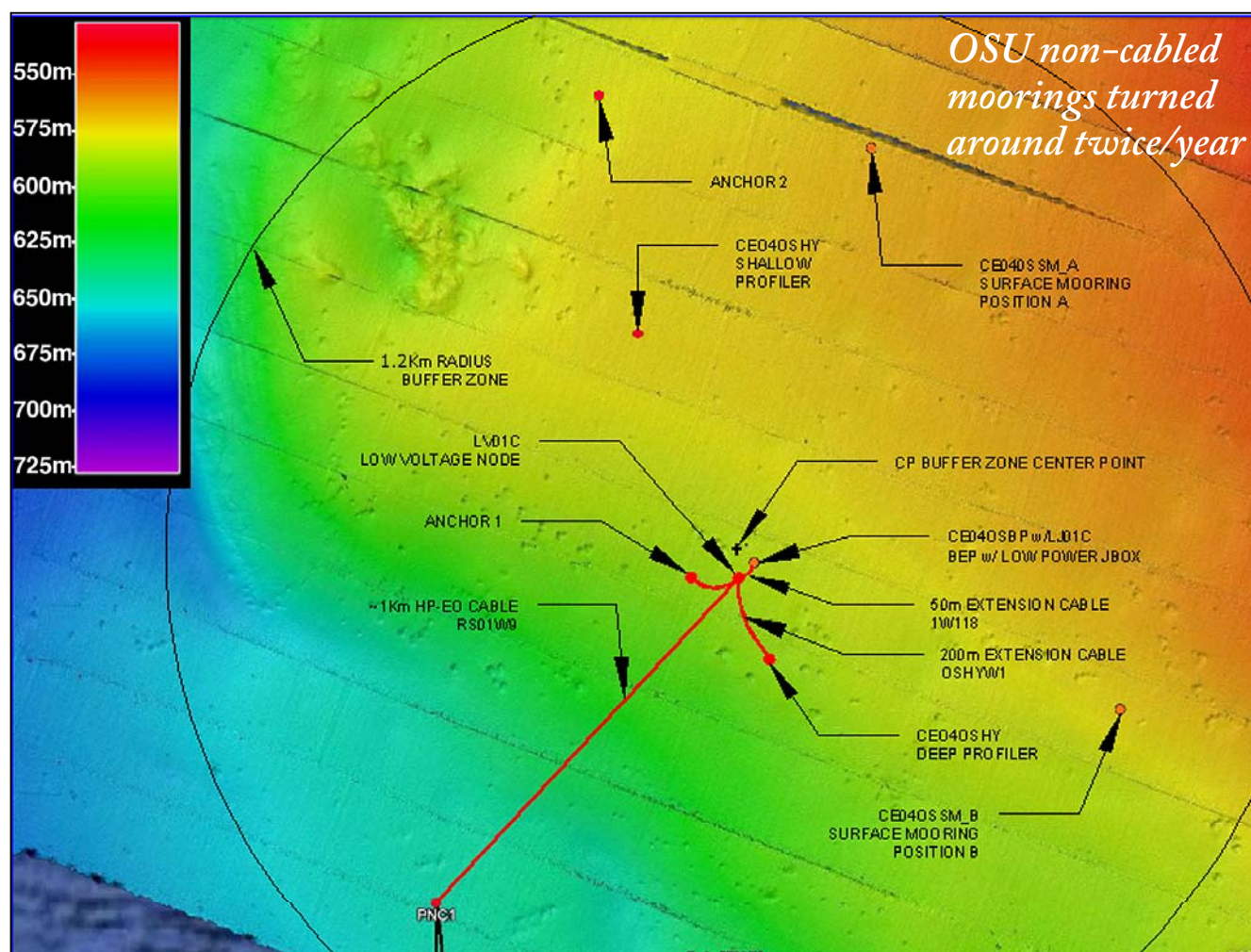
Variable sensors configuration at each site

Sensors on seabed and in water column, linked by:

- extension cables
- junction boxes
- low voltage nodes

Data back to shore in real-time

Infrastructure at PN1C (Oregon slope site)



PN1C (617m)

Secondary node location

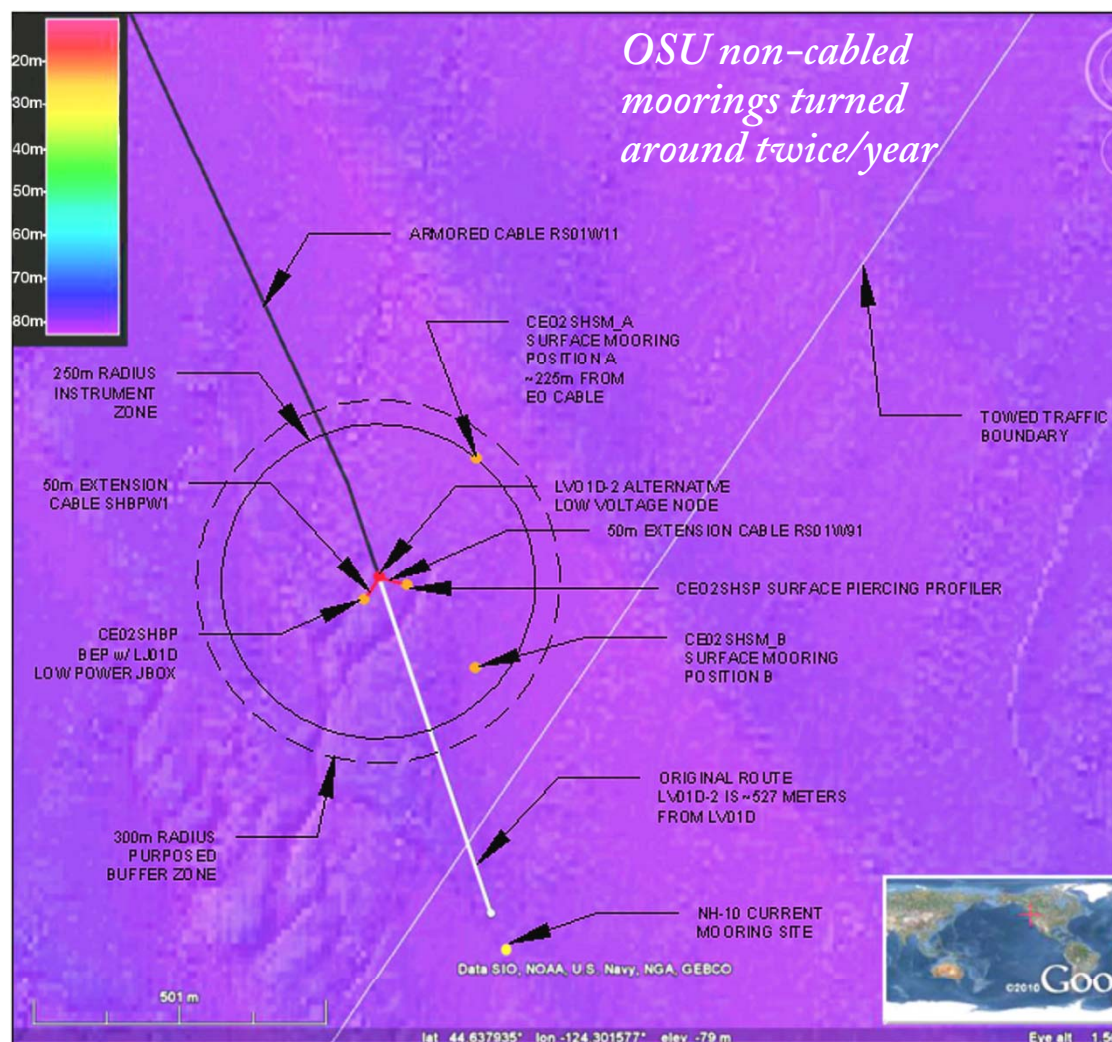
Lat. : 44° 22.146' N

Long. : 124° 57.246' W

Depth : 588 m (322 fms)

- All equipment within 2 water depths of secondary node
- 1.2km (0.65nm) radius buffer zone

Infrastructure at the Oregon 80m site



Oregon mid-shelf

Secondary node location

Lat. : 44.637° N

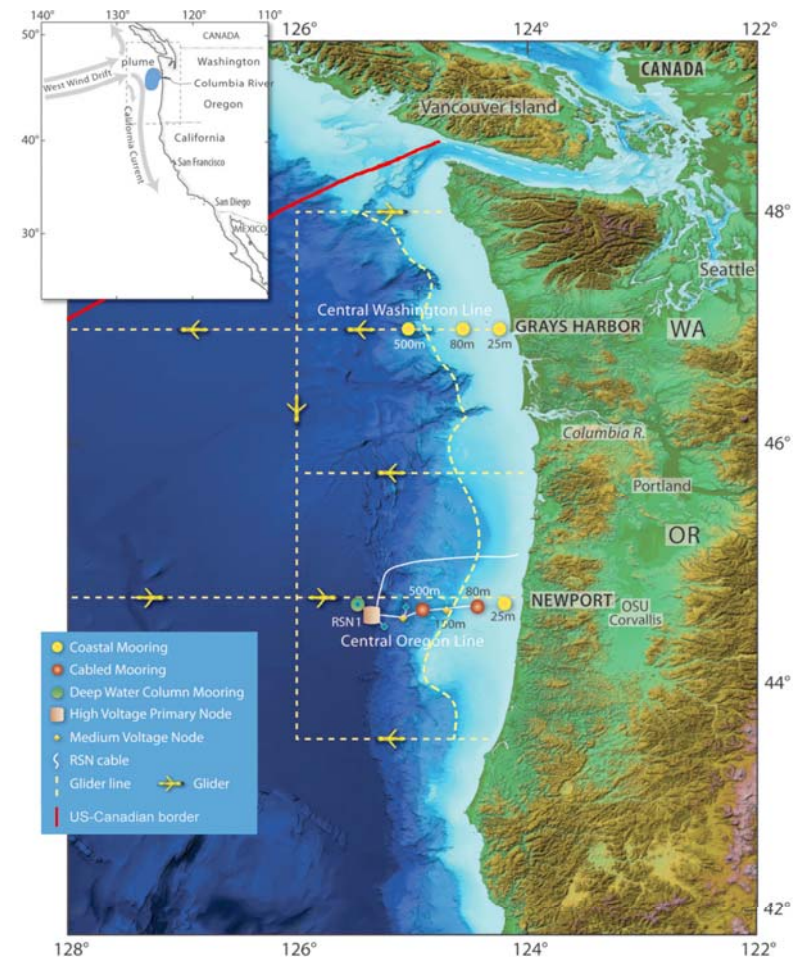
Long. : 124.301° W

Depth : 80 m

- All sensors within 3 water depths of low voltage node
- ~300m radius buffer zone

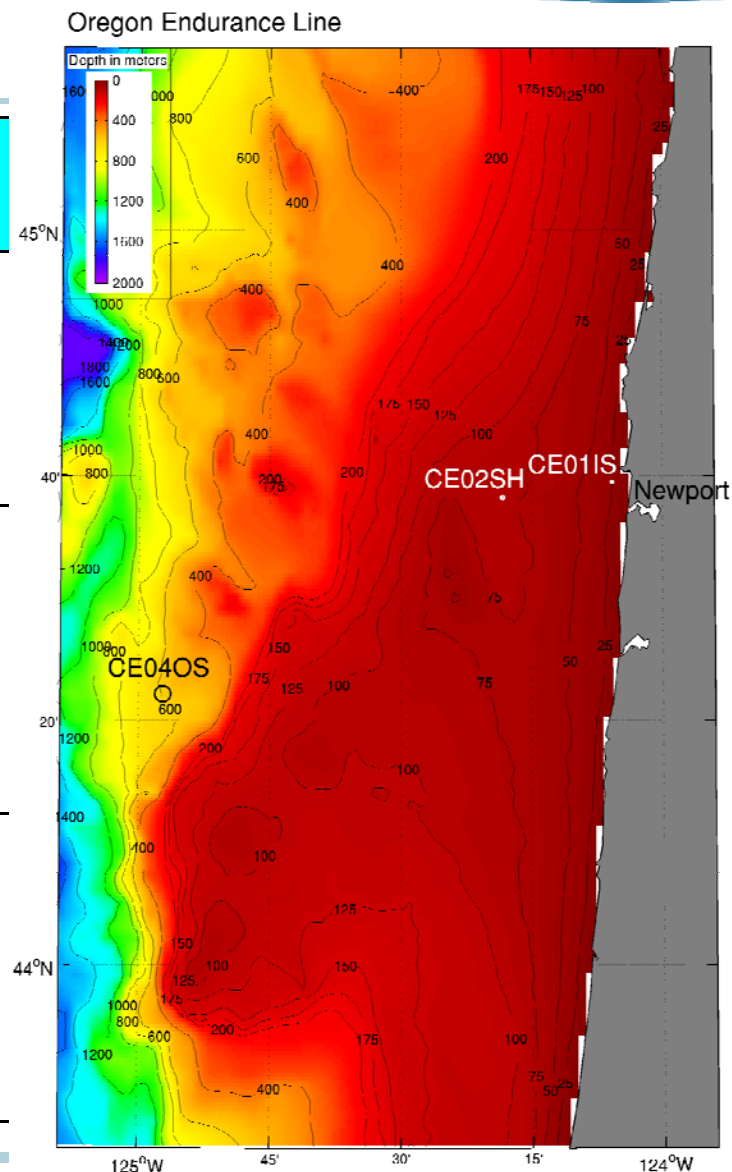
Endurance Array

- The Endurance Array has two lines of cross-shelf moorings (inner-shelf, mid-shelf, and slope) off Newport and Grays Harbor.
- At the Newport line, two of the sites at 80 and 600 m depths will have cabled as well as uncabled platforms.
- Six glider lines will support the Endurance array by resolving mesoscale spatial variability.



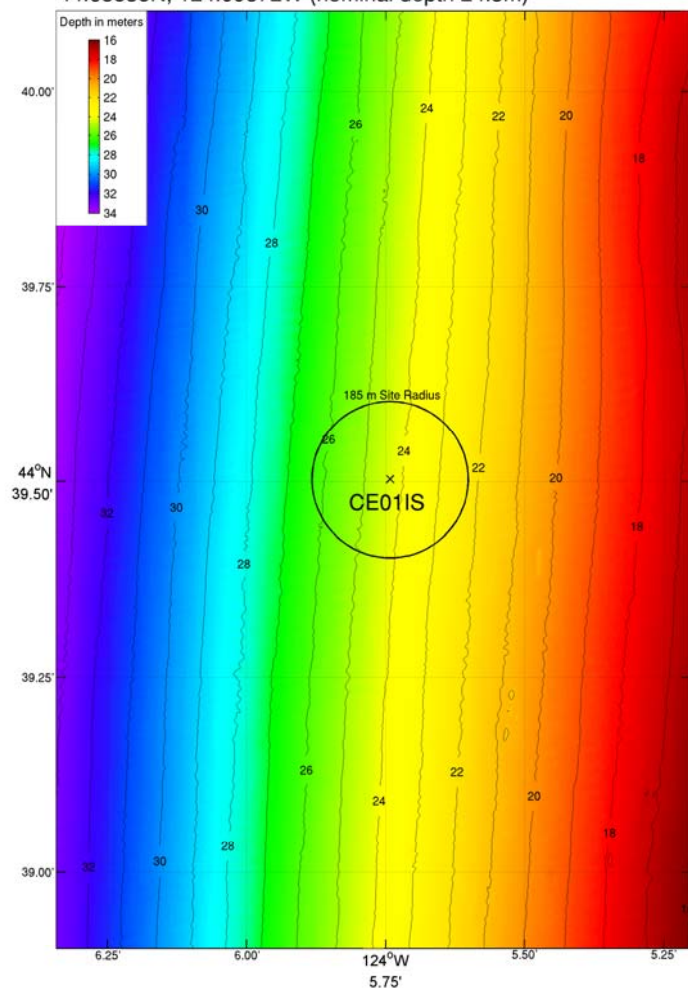
Oregon Endurance Line

Site	Site Center	Proposed buffer zone	Depth	Platforms
Inshore	44.658°N 124.096°W	185 m	24 m	Submersible Surface Buoy Uncabled Profiler
Shelf	44.637°N 124.306°W	250 m	80 m	Coastal Surface Buoy Cabled Profiler Cabled Benthic Experiment Package
Offshore	44.369°N 124.954°W	1200 m	588 m	Coastal Surface Buoy Cabled Hybrid Profiler Cabled Benthic Experiment Package



The Oregon inshore site

OR Inshore CE01IS
44.65838N, 124.09572W (nominal depth 24.3m)



Oregon inshore

Site location

Lat. : 44.658° N

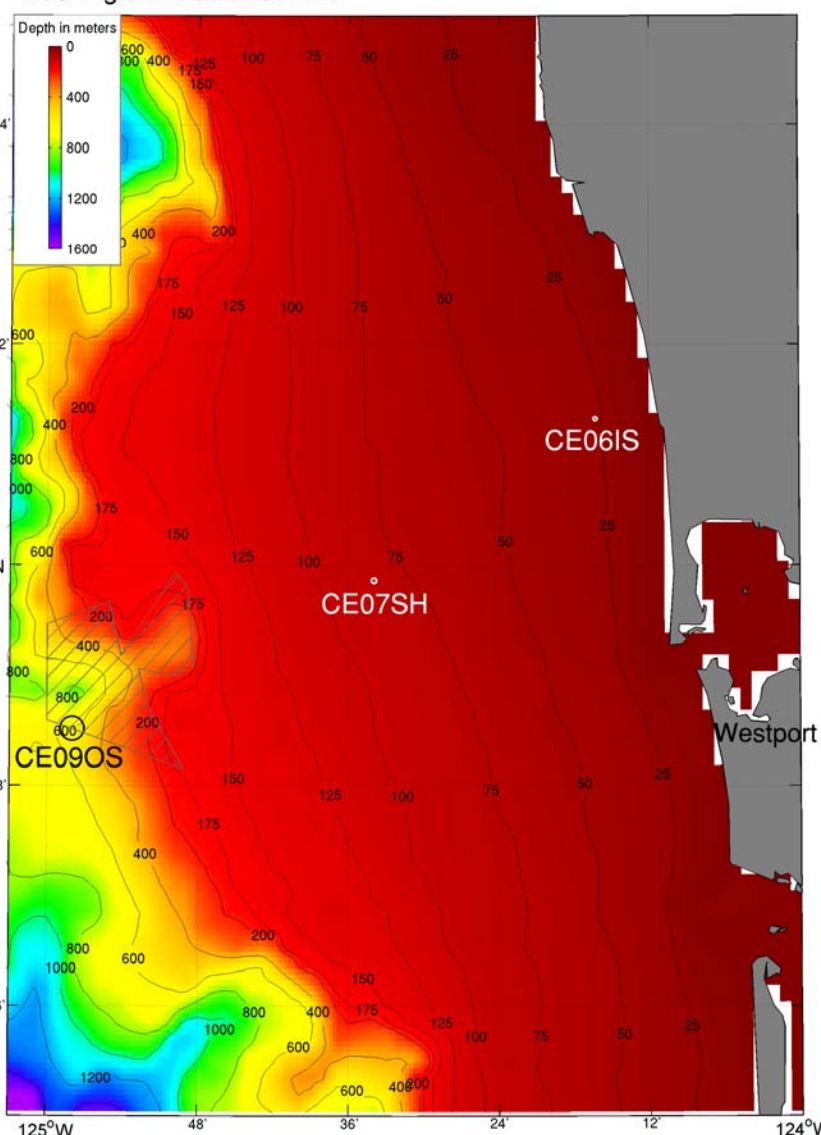
Long. : 124.096° W

Depth : 24 m

- 185m radius proposed buffer zone

Washington Endurance Line

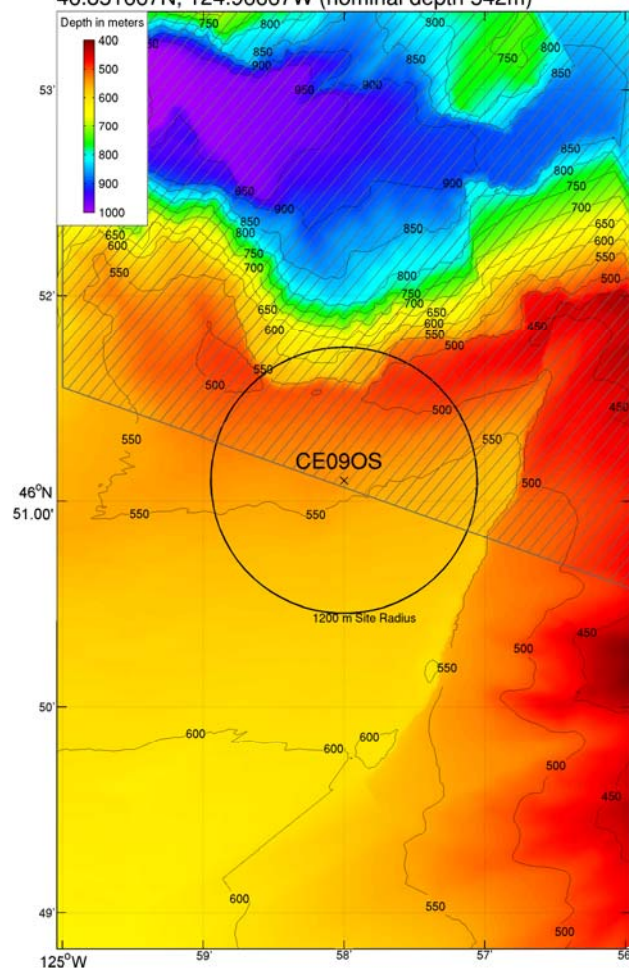
Washington Endurance Line



Site	Site Center	Proposed buffer zone	Depth	Platforms
Inshore	47.133°N 124.272°W	185 m	29 m	Submersible Surface Buoy Uncabled Profiler
Shelf	46.986°N 124.566°W	250 m	87 m	Coastal Surface Buoy Uncabled Profiler
Offshore	46.852°N 124.967°W	1200 m	542 m	Coastal Surface Buoy Coastal Profiler Mooring

The Washington offshore site

WA Offshore CE09OS
46.851667N, 124.96667W (nominal depth 542m)



Washington offshore site

Site Center

Lat. : 46.852° N

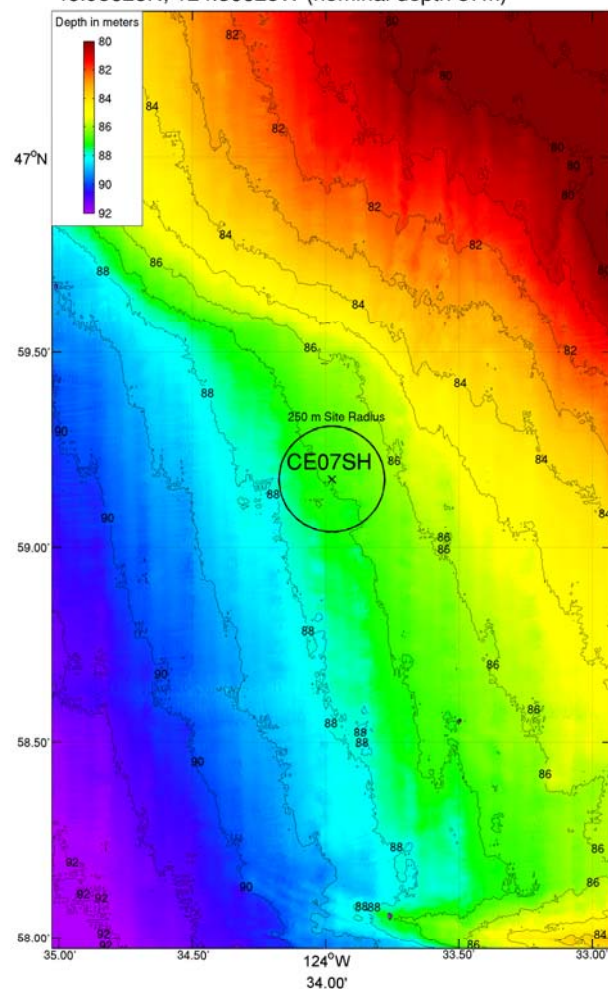
Long. : 124.967° W

Depth : 542 m

- ~ 1200 m radius proposed buffer zone
- The hatched area demarcates the Grays Canyon Essential Fish Habitat Conservation Area.

The Washington shelf site

WA Shelf CE07SH
46.98625N, 124.56628W (nominal depth 87m)



Washington shelf site

Site Center

Lat. : 46.986° N

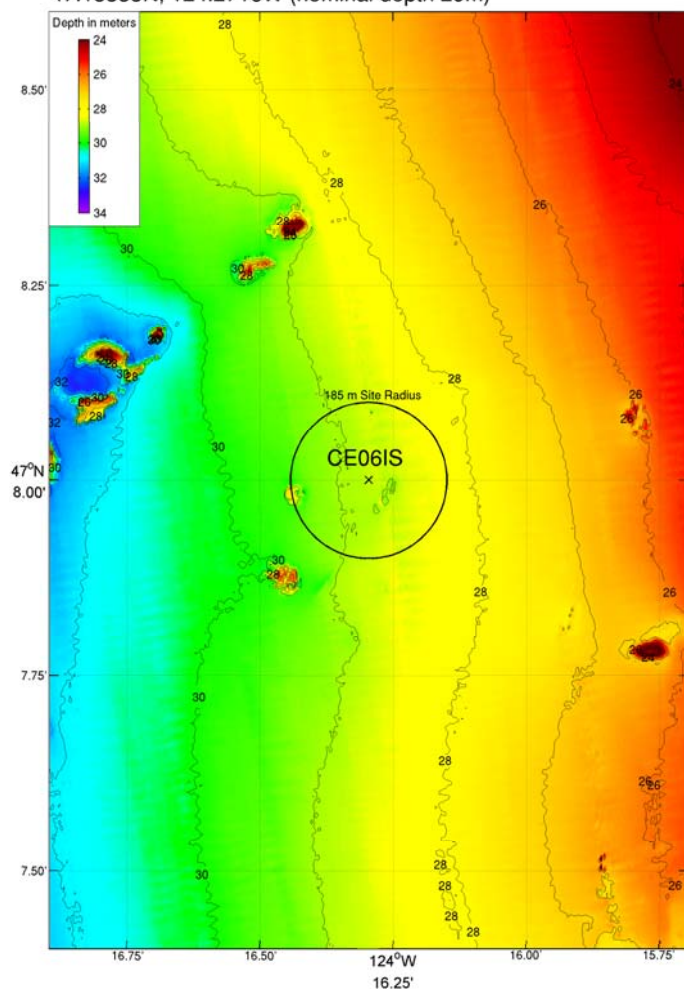
Long. : 124.566° W

Depth : 87 m

- ~250m radius proposed buffer zone

The Washington inshore site

WA Inshore CE06IS
47.1333N, 124.2716W (nominal depth 29m)



Washington inshore site Site Center

Lat. : 47.133° N

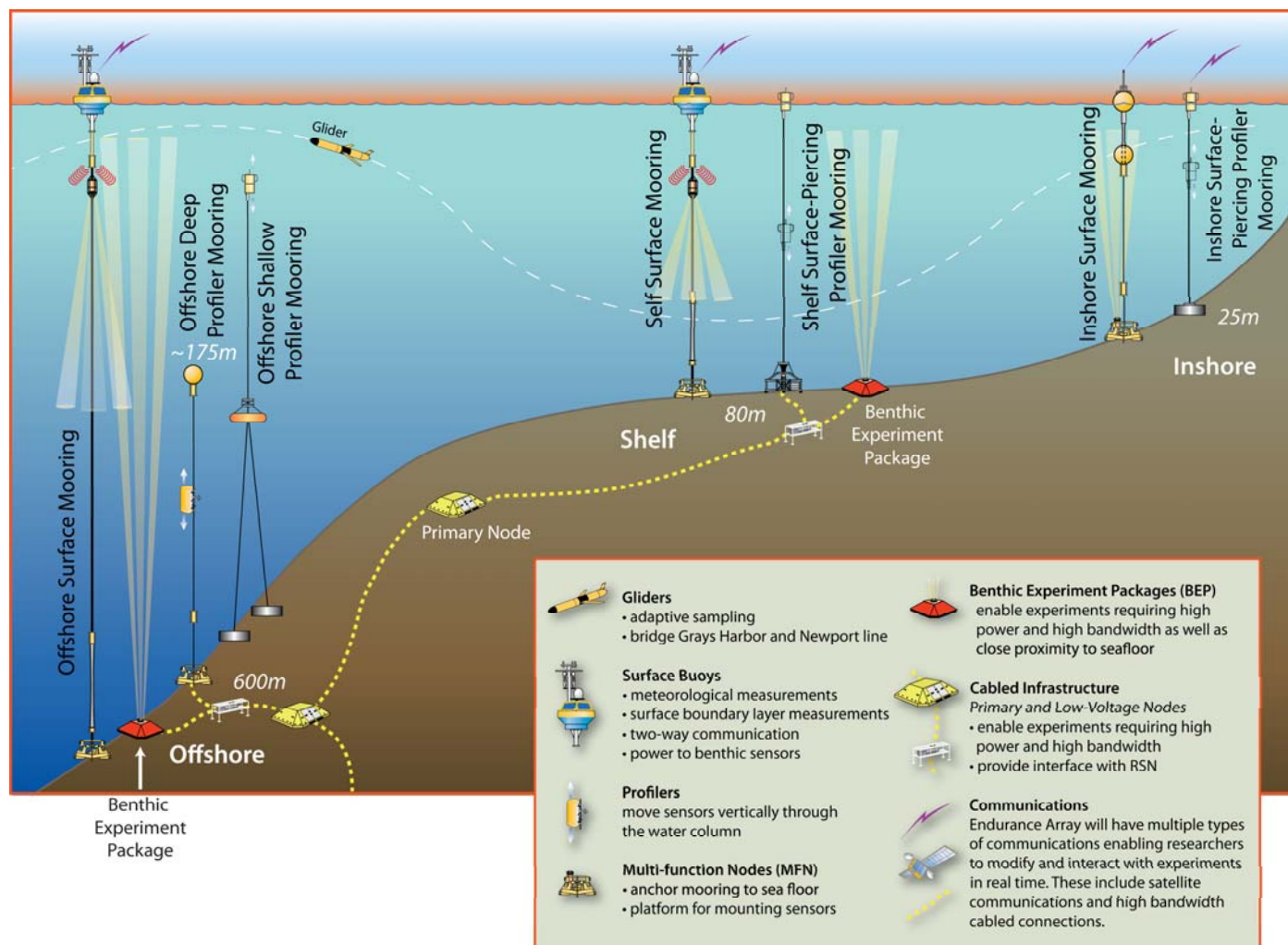
Long. : 124.272° W

Depth : 29 m

- ~185m radius proposed buffer zone

Endurance Array

- uses fixed and mobile assets to observe cross-shelf and along-shelf variability in the coastal upwelling region off Oregon and Washington
- provides an extended spatial footprint that encompasses a prototypical eastern boundary current regime
- joins with the RSN cabled infrastructure.



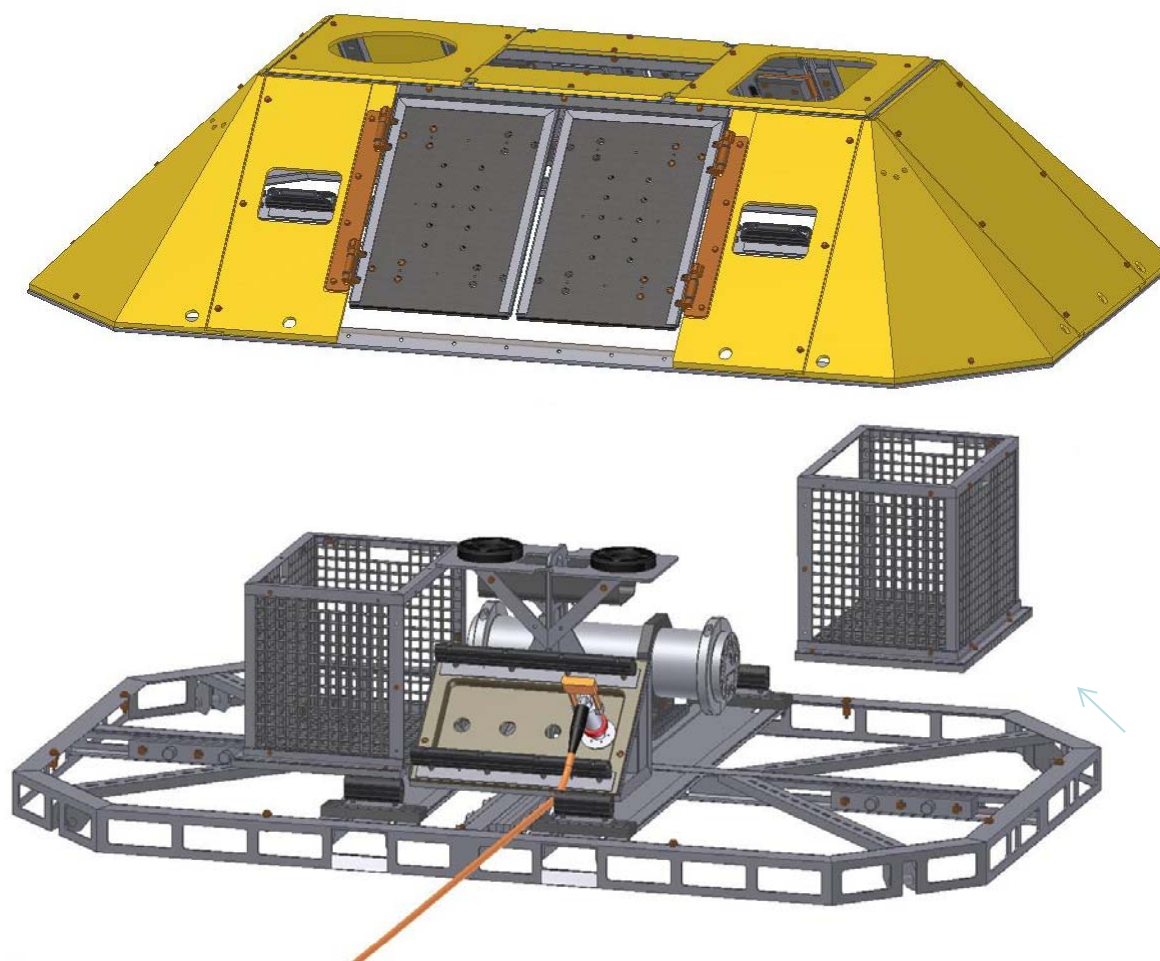
Endurance Core Sensors

- Surface fluxes (bulk and direct covariance)
- CO₂ flux and in-water
- Surface wave spectra
- *Temperature*
- *Conductivity*
- *Pressure*
- *Mean currents*
- Three-axis velocities
- Dissolved oxygen
- pH
- Spectral irradiance
- Optical attenuation and absorption
- *Chlorophyll-a and CDOM fluorescence*
- *Optical backscatter*
- *Photosynthetically active radiation (PAR)*
- Nitrate
- **Bio-acoustic sonar**
- **Digital still camera**
- **Passive hydrophone**

Endurance (RSN): Benthic Experiment Package

The BEP provides a low profile (trawl resistant) mounting platform for sensors that require high power and bandwidth as well as near proximity to the seafloor.

The BEP is connected to the RSN cabled infrastructure at the Endurance Array Offshore and Shelf sites.



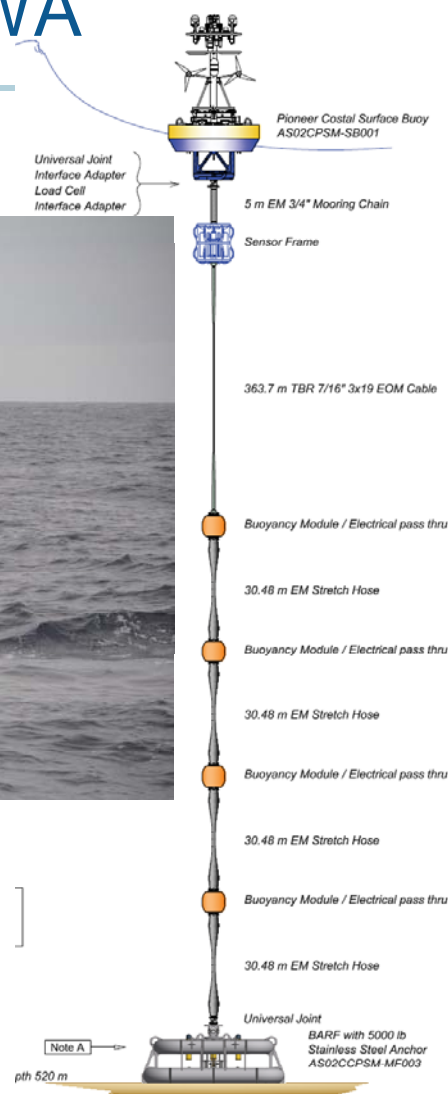
BEP Core Instruments

- Optical Attenuation and Absorption
- Pumped CTD w/ seafloor pressure
- Passive Broadband Hydrophone
- Dissolved Oxygen
- Water $p\text{CO}_2$
- pH
- 3D Single Point Current Meter
- Water Velocity Profile (ADCP)
- Zooplankton Sonar*
- Digital Camera with Strobe*

*Moved off BEP due to science and power considerations respectively, but part of cabled Endurance core instruments

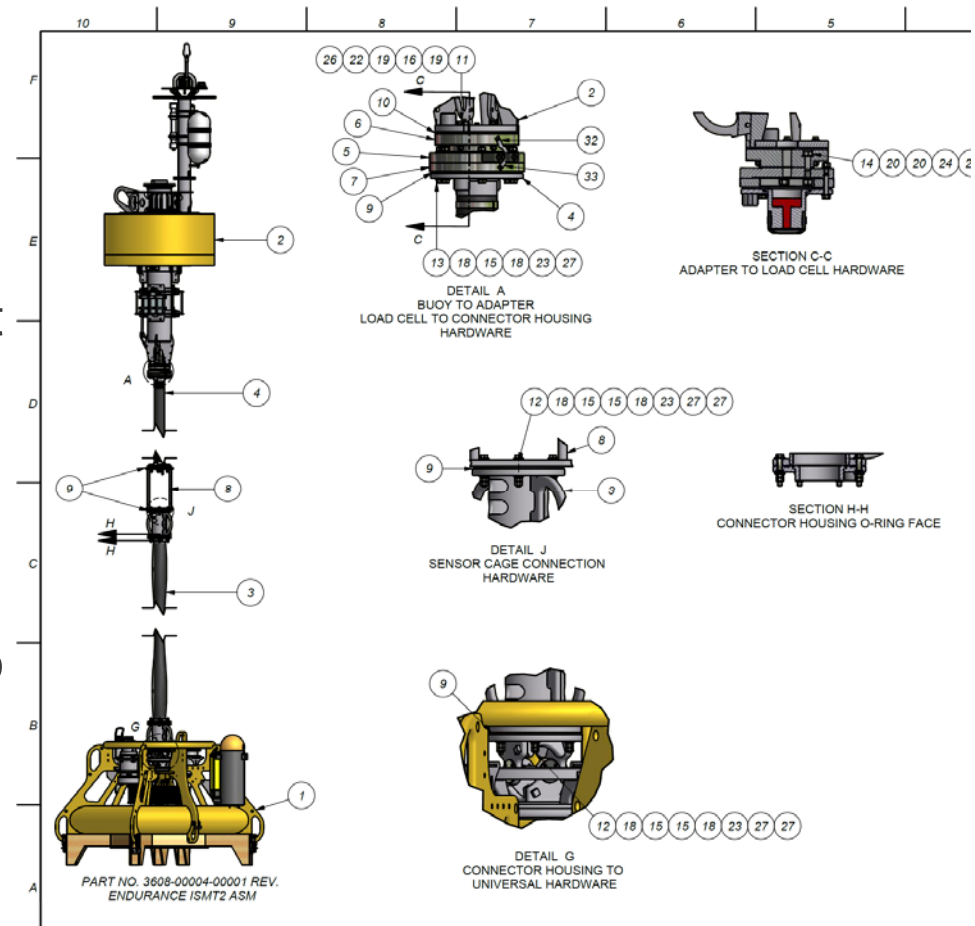
Coastal Mooring deployed off OR and WA

- Deployed in 80 and 500-600 m water depths
- OR moorings deployed over cabled array

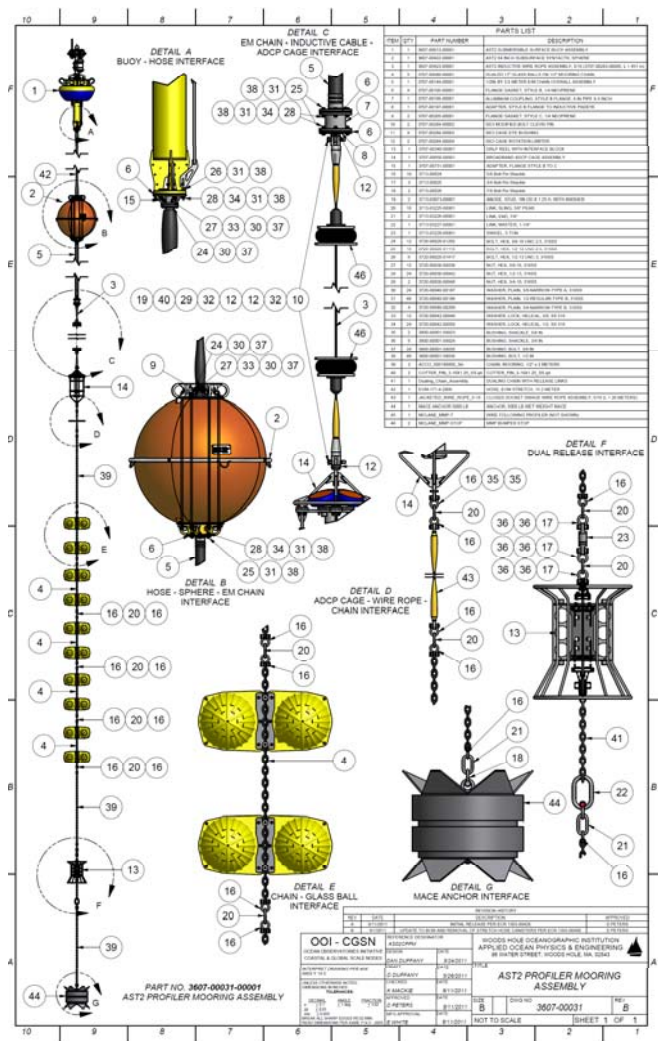


Inshore mooring (prototype shown)

- Deployed in 25 m water depth off Newport, OR and Grays Harbor, WA
- Design based on similar moorings deployed off the east coast for right whale hazard
- Surface buoy with electrical-mechanical connection to seabed
- Stretch hose allows mooring to respond to wave motion



Coastal Wire Following Profiler Mooring: deployed off WA at 500 m site



Coastal Winched Profilers



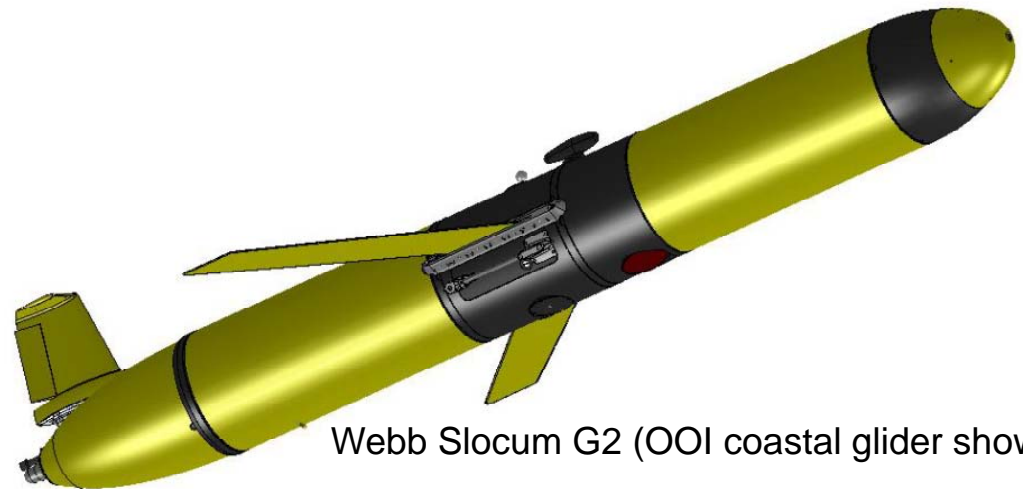
WET Labs Autonomous Moored Profiler (AMP)

- Deployed off OR and WA at 25 m and 80 m depth sites
- Small winched body raised to surface every 6-12 hours

Endurance Array gliders

Coastal gliders will be used to resolve mesoscale features over the shelf and slope between and afield from fixed platforms the Endurance (northeast Pacific) array.

Gliders will be deployed up and down the coast in 5 cross-shore lines and 1 offshore line



Webb Slocum G2 (OOI coastal glider shown)

- The gliders are configurations of the Teledyne Webb Research Slocum G2 glider.
- The Slocum G2 has a modular science bays and buoyancy pumps.
- Coastal gliders will be ordered with a mix of 200 m and 1000 m buoyancy pumps and an ADCP science bay.

Planned Deployment Schedule

- Summer 2013
 - cabled infrastructure (not including cabled profiler moorings)
- Fall 2013
 - OR inshore mooring (25 m water depth)
 - OR winched profiler mooring (80 m water depth)
 - Gliders
- Spring 2014
 - WA wire following profiler (500 m water depth)
 - WA inshore mooring (25 m water depth)
- Summer 2014
 - Remaining cabled infrastructure
- Fall 2014
 - Remaining uncabled moorings (WA 80, 500 m; OR 80, 500 m)
 - Remaining winched profilers (WA 25, 80 m; OR 25 m)

Videos

- [BEP Deployment/ISMT2 recovery \(Aug 2011\)](#)
- Development testing
- Evaluate the BEP hardware
- Understand the forces on the BEP as we deployed and recovered

Videos

- [ISMT2 deployment \(March 2011\)](#)
- Developmental testing
 - Understand the real versus predicted mooring response to wave motion
 - Evaluate deployment and recovery process
 - Evaluate burial/scouring in the near shore zone

Videos

- [Coastal glider testing \(Nov 2011 – Jan 2012\)](#)
- Requirements testing
 - Making sure what we are buying meets the ambitious specifications (mission endurance, speed, instrument integration etc.)
- Evaluate and practice our own deployment and recovery, data handling procedures etc.

LEGISLATIVE MATTERS

The Legislative Committee met Friday, April 5 to review legislative matters of interest to the Council. One matter of high relevance for this meeting is the Council priorities for the MSA reauthorization, a matter of forecast for the Managing Our Nation's Fisheries 3 (MONF3) Conference. The collective Regional Fishery Management Councils (RFMC) have been asked by representatives of the U.S. Senate and House for their input on priorities to be considered in reauthorizing the MSA. Each Council is expected to articulate the matters of greatest concern at the onset of the MONF3 Conference. Immediately after the MONF3 Conference, the eight RFMC will convene the Council Coordinating Committee (CCC) to consider conference results and collective recommendations.

Council staff has provided a summary of legislation introduced in the 113th U.S. Congress (Agenda Item B.4.a, Attachment 1) for potential review at the April Council meeting. In addition, a staff summary of testimony at the March 13, 2013 House Committee on Natural Resources hearing on the reauthorization of the Magnuson-Stevens Fishery Conservation and Management Act is provided (Agenda Item B.4.a, Attachment 2).

On October 1, 2012 the Council sent a letter at the request of Representative Mike Thompson (California) and Congresswoman Jaime Herrera Beutler (Washington) commenting on H.R. 6362, The Revitalizing the Economy of Fisheries (REFI) in the Pacific Act of 2012. The letter is attached (Agenda Item B.4.a, Attachment 3). The bill was not signed into law before the end of the 112th Congress.

Council Action:

1. Consider the recommendations of the Legislative Committee.

Reference Materials:

1. Agenda Item B.4.a, Attachment 1: April 2013 Staff Summary of Federal Legislation.
2. Agenda Item B.4.a, Attachment 2: Staff Summary of MSA Reauthorization Hearing.
3. Agenda Item B.4.a, Attachment 3: Council letter on HR 6362, the Revitalizing the Economy of Fisheries (REFI) in the Pacific Act of 2012.
4. Agenda Item B.4.b, Supplemental Legislative Committee Report.

Agenda Order:

- a. Agenda Item Overview
- b. Report of the Legislative Committee
- c. Reports and Comments of Advisory Bodies and Management Entities
- d. Public Comment
- e. **Council Action:** Consider Legislative Committee Recommendations

Jennifer Gilden
David Crabbe

STAFF SUMMARY OF FEDERAL LEGISLATION IN THE 113TH U.S. CONGRESS

A summary of Federal legislation introduced in the 113th Congress is provided below, along with a summary of one relevant state measure. This summary is intended as a general overview for discussion purposes. Full text of these bills, with background information and current status, can be found at the Library of Congress website (<http://thomas.gov>) or at <http://govtrack.us>. These summaries are primarily from the Congress.gov website, further summarized by Council staff.

BILLS IN THE 112TH CONGRESS

Last August, the Council was requested by Congressman Mike Thompson (CA) and Congresswoman Jamie Herrera-Beutler (WA) to comment on H.R. 6362, the Fisheries Investment and Regulatory Relief Act of 2012. The Council sent a letter on October 1, 2012. However, the bill died with the end of the 112th Congress.

S.1451 (H.R.2706), the Billfish Conservation Act of 2011, which prohibits any person from offering billfish or billfish products for sale, selling them, or having custody, control, or possession of them for purposes of offering them for sale or selling them. The Highly Migratory Species Advisory Panel discussed this bill in June 2012, and most members were opposed to it. The bill passed and was signed into law on October 5, 2012.

NEW BILLS IN THE 113TH CONGRESS

HOUSE BILLS

HR 69: Illegal, Unreported, and Unregulated Fishing Enforcement Act of 2013

To strengthen enforcement mechanisms to stop illegal, unreported, and unregulated (IUU) fishing, to amend the Tuna Conventions Act of 1950 to implement the Antigua Convention, and for other purposes. This bill was a re-introduction of H.R. 4100 (112th). It is related to S 269, the International Fisheries Stewardship and Enforcement Act (Jay Rockefeller, WV).

- **Introduced by** Madeleine Bordallo (Guam) on February 12, 2013; has 13 cosponsors.
- **Status:** Referred to the Subcommittee on Fisheries, Wildlife, Oceans, and Insular Affairs.

Details:

- If enacted, it would enhance the enforcement authority of the National Oceanic and Atmospheric Administration (NOAA) and the U.S. Coast Guard to regulate illegal fishing. The bill also increases capacity for inspection, identification, and monitoring of illegal foreign vessels, amends several international agreements to incorporate civil and criminal penalties, and broadens data sharing authority with foreign governments in order to identify and penalize nations that do not comply with fisheries management regulations.

- Amends the High Seas Driftnet Fishing Moratorium Protection Act to direct the Secretary of Commerce to enforce that Act and the Pacific Salmon Treaty Act, the Dolphin Protection Consumer Information Act, the Tuna Conventions Act, the North Pacific Anadromous Stocks Act, and several other Acts. It amends several of these Acts as well as the High Seas Driftnet Fisheries Enforcement Act, High Seas Fishing Compliance Act of 1995, Northern Pacific Halibut Act of 1982, and Magnuson-Stevens Fishery Conservation and Management Act to revise violations, penalties, permit requirements, port privileges, IUU fishing sanctions, and other enforcement authority.
- Authorizes additional enforcement measures and authorizes the Secretary to disclose certain information to state, federal, or international agencies/States to ensure compliance with international fishery agreements.
- The Act authorizes the publication of a list of vessels engaged in IUU fishing, and taking action against listed vessels.
- The Act requires identification and listing of nations that violate conservation and management measures required under an international fishery management agreement to which the United States is a party, or fail to effectively address or regulate IUU fishing.
- The Act authorizes international cooperation and assistance, including grants, to help other nations achieve sustainable fisheries.
- Repeals the Eastern Pacific Tuna Licensing Act of 1984.

HR 71: Coral Reef Conservation Act Reauthorization and Enhancement Amendments of 2013

To reauthorize the Coral Reef Conservation Act of 2000, and for other purposes. This bill was a re-introduction of H.R. 738 (112th).

- **Introduced by** Madeleine Bordallo (Guam) on January 3, 2013; has 10 cosponsors.
- **Status:** Referred to the Subcommittee on Fisheries, Wildlife, Oceans, and Insular Affairs.

Details:

- Amends the Coral Reef Conservation Act of 2000 to extend the award of remaining coral reef conservation program grant funds to appropriate projects.
- Authorizes actions to minimize injury to a coral reef or loss of an ecosystem function resulting from human activities; and stabilize, repair, or restore the reef.
- Deems specified terms (such as “sanctuary resources” and “national marine sanctuary”) to include any coral reef that is subject to the jurisdiction of the United States or (subject to state consent) any state, regardless of whether the reef is in a national marine sanctuary.
- Makes the destruction, loss, or injury of a coral reef not unlawful in certain circumstances, including if it was from permitted usage of fishing gear; caused by an authorized activity; subject to exception, the necessary result of marine scientific research; caused by a federal agency in certain circumstances; or unavoidable.
- Modifies the Act’s purposes, the goals and objectives of the national coral reef action strategy, and the Act’s authorized activities.
- Allows the Coral Reef Conservation Fund to be used to address emergency response actions.

- Authorizes NOAA to make community-based planning grants for increased protection of high priority coral reefs, maintain an inventory of all coral reef vessel groundings, identify all coral reefs with a high incidence of vessel impacts, and identify measures to reduce such impacts.
- Directs the Secretary of Commerce to submit an international coral reef ecosystem strategy to Congress and authorizes the Secretary to establish an international coral reef ecosystem partnership program.
- Establishes the U.S. Coral Reef Task Force to coordinate federal actions.
- Authorizes the Secretary of the Interior, subject to appropriations, to provide financial assistance for coral reef conservation.

HR 584: To amend the Federal Food, Drug, and Cosmetic Act to require labeling of genetically engineered fish

This bill is a re-introduction of H.R. 520 (112th) and is a companion bill to S. 248 (Mark Begich, Alaska).

- **Introduced by** Don Young (Alaska) on February 6, 2013; has 21 cosponsors.
- **Status:** Referred to the House Committee on Energy and Commerce: Health.

Details:

- Amends the Federal Food, Drug, and Cosmetic Act to deem a food to be misbranded if it contains genetically-engineered fish unless the food bears a label stating that it contains genetically-engineered fish.

HR 753: (Untitled; prohibits finfish aquaculture in the EEZ)

Prohibits the Secretary of the Interior and the Secretary of Commerce from issuing any permit or in any other way authorizing commercial finfish aquaculture operations in the U.S. Exclusive Economic Zone (EEZ), except in accordance with law enacted after enactment of this Act. This bill is a re-introduction of H.R. 574 (112th).

- **Introduced by** Don Young (Alaska) on February 15, 2013; no cosponsors.
- **Status:** Referred to the House Natural Resources: Fisheries, Wildlife, Oceans and Insular Affairs.

No additional details provided.

HR 799: Fisheries Disaster Relief and Research Investment Act

To provide exclusive funding to support fisheries and the communities that rely upon them, to clear unnecessary regulatory burdens and streamline Federal fisheries management, and for other purposes.

- **Introduced by** John Tierney (Massachusetts) on February 15, 2013; has 6 cosponsors.
- **Status:** Referred to the House Natural Resources Subcommittee on Fisheries, Wildlife, Oceans and Insular Affairs.

Details:

- Under this Act, each Council would establish a fishery investment committee, comprised of not more than 13 individuals who are knowledgeable about fishery resources, which would “develop a regional fishery investment plan..., review grant applications and projects to implement its regional fishery investment plan; and make recommendations, based on its findings, to the Council on grant applications and projects to implement its regional fishery investment plan.” Members would be nominated by the Councils.
- Outlines the makeup of the fishery investment committees (one representative each of the commercial fishing, private angling, for-profit charter, and marine conservation communities; one from each state government in the region and relevant interstate commissions; tribes; and research institutions.)
- Each fishery investment committee would develop a regional fishery investment plan “that identifies critical research, conservation, and management needs and corresponding actions to facilitate rebuilding and maintaining healthy fish populations and sustainable fisheries over a 5-year period,” consistent with the research and data needs document, and “include areas of investment that are critical for rebuilding and maintaining healthy U.S. fish populations and promoting sustainable fisheries,” including stock assessments and surveys, improvements to data collection, monitoring, recreational fishing data collection, analyzing social and economic impacts of fishery management, and providing financial assistance to fishermen and fishing communities through fishing capacity reduction, buybacks, investment in permit banks, community fishing associations, etc; developing methods to improve the quality and value of landed fish; research and development of conservation engineering technologies in commercial and recreational fisheries; and habitat restoration and protection.
- The regional fishery investment plans would be revised at least once every five years, and submitted to the Secretary for review.
- The Act would establish a Regional Fishery Investment Grant Program – an annual competitive grant program to provide for projects included in the regional fishery investment plans. These grants would be eligible to state, federal, regional, or private entities. Awards would only be made to projects that implement regional fishery investment plans and that were recommended for funding by their respective Council.
- Amends the Saltonstall-Kennedy Act.
 - Seventy percent of monies available at the beginning of each fiscal year would be allocated to the eight Council regions, with one half of the funds allocated equally among the Council regions and one half allocated proportionally based on economic impacts of commercial and recreational landings.
 - Twenty percent of Saltonstall-Kennedy monies would be available to the Secretary for projects addressing fisheries needs and problems, with up to one-fifth allocated by the Secretary among the interstate fisheries commissions; up to one-fifth for seafood promotion and sustainable certification efforts; up to one-fifth allocated to improve fisheries management through research, monitoring, evaluation, etc.; up to one-fifth allocated to addressing fisheries disasters, shoreside infrastructure, and access needs; and up to one-fifth allocated to other

special needs, including management of highly migratory species and international fisheries.

- The remaining ten percent of the funds would go to NOAA's Operations, Research, and Facilities account.

HR 1012: Safety And Fraud Enforcement for Seafood Act

To strengthen Federal consumer protection and product traceability with respect to commercially marketed seafood, and for other purposes. This bill is a re-introduction of H.R. 6200 (112th).

- **Introduced by** Ed Markey (Massachusetts) on March 6, 2013; has 5 cosponsors.
- **Status:** Referred to the House Committees on Agriculture, Energy and Commerce, Natural Resources, and House Ways and Means Committee.

Details:

- Would establish a memorandum of understanding between Secretary of Commerce and the Secretary of Health and Human Services to improve interagency cooperation on seafood safety and seafood fraud prevention.
- Creates a website listing foreign seafood exporters and any of their violations to seafood safety.
- Directs the Secretary of Commerce to maintain and update a "Guide to Acceptable Market Names for Seafood Sold in Interstate Commerce," as a list of standardized names for identifying seafood at various distribution stages. The list will be posted on the web along with any consumer advisories.
- Would require seafood imported into the US to be labeled with the acceptable market and scientific name; the harvest method, including gear type; catch date; weight; previous treatment (freezing, chemical treatment, country of processing); whether fish was wild caught or farm raised; location of fish farm; cultivation method. This information could be made available upon request rather than appearing on a label.
- Enables states to bring civil actions against seafood violators.
- Would require the Secretary of Commerce and of Health and Human Services to provide a report to Congress every two years on seafood violations, the health and financial impacts of violations, and related issues.

HR 1147: To provide limitations on maritime liens on fishing permits, and for other purposes.

Companion bill to S. 542 (Lisa Murkowski, Alaska). Similar to HR 1210 (112th Congress).

- **Introduced by** Don Young (Alaska) on March 6, 2013; has 5 cosponsors.
- **Status:** Referred to the House Committees on Agriculture, Energy and Commerce, Natural Resources, and House Ways and Means Committee.

No additional details provided for this version; however, HR 1210 (112th) would bar specified federal shipping laws related to maritime liability from: (1) establishing maritime liens on state

or Federal fishing permits (authorizing a person or use of a vessel to engage in fishing), and (2) authorizing civil actions to enforce maritime liens on such permits. It would specify that a “fishing permit” is governed solely by the state or federal law under which it was issued and is not included in the whole or as an appurtenance or intangible of a vessel.

SENATE BILLS

S 45: West Coast Ocean Protection Act of 2013

A bill to amend the Outer Continental Shelf Lands Act to permanently prohibit the conduct of offshore drilling on the outer Continental Shelf off the coast of California, Oregon, and Washington. This bill is a re-introduction of S. 171 (112th).

- **Introduced by** Barbara Boxer (California) on February 22, 2013; has five cosponsors.
- **Status:** Read twice and referred to the Committee on Energy and Natural Resources.

Details:

- Amends the Outer Continental Shelf Lands Act to prohibit the Secretary of the Interior from issuing a lease for the exploration, development, or production of oil or natural gas in any area of the outer Continental Shelf off the coast of California, Oregon, or Washington.

S 246: Prevention of Escapement of Genetically Altered Salmon in the United States Act

A bill to prevent the escapement of genetically altered salmon in the United States, and for other purposes. This bill is a re-introduction of S. 1717 (112th).

- **Introduced by** Mark Begich (Alaska) on February 7, 2013; has one cosponsor.
- **Status:** Read twice and referred to the Committee on Commerce, Science, and Transportation.

Details:

- Prohibits a person from: (1) shipping, transporting, offering for sale, selling, or purchasing a genetically modified salmon or other marine fish, or a food product containing such fish, in interstate or foreign commerce; (2) having custody, control, or possession of, with the intent to ship, transport, offer for sale, sell, or purchase such fish or food products, in interstate or foreign commerce; (3) releasing such fish into a natural environment; or (4) having custody, control, or possession of such fish with the intent to release it into a natural environment.
- Exempts from such prohibitions fish, fish parts, or products confined for scientific research or collected to enforce this Act; other exemptions exist.
- Directs each federal agency to promptly notify the Under Secretary when an action involving such covered fish or food products is first identified.

- Authorizes the Secretary of Commerce to enforce penalties for violations of this Act under the MSA.

S 248: (Untitled)

A bill to amend the Federal Food, Drug, and Cosmetic Act to require labeling of genetically engineered fish.

- **Introduced by** Mark Begich (Alaska) on February 7, 2013; has one cosponsor.
- **Status:** Referred to the Committee on Senate Health, Education, Labor, and Pensions.

Details:

- Amends the Federal Food, Drug, and Cosmetic Act to deem a food to be misbranded if it contains genetically-engineered fish unless the food bears a label stating that fact.

S 267: *Pirate Fishing Elimination Act*

A bill to prevent, deter, and eliminate illegal, unreported and unregulated fishing through port State measures.

- **Introduced by** Jay Rockefeller (West Virginia) on February 11, 2013; nine cosponsors.
- **Status:** Read twice and referred to the Committee on Commerce, Science, and Transportation.

Details:

- Implements the Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing, done at the Food and Agriculture Organization of the United Nations in Rome, Italy, on November 22, 2009.
- Authorizes the Secretary of Commerce to identify ports of entry for foreign fishing vessels.
- Requires fishing vessels to submit certain information to the Coast Guard before arriving in such a port.
- Requires the Secretary to deny entry to vessels listed as, engaged in, or supporting IUU fishing; or that the Secretary has reasonable grounds to believe has violated this Act (exceptions for vessels in distress, etc.)
- Sets forth standards for denying or permitting port services to vessels authorized to enter a port, and prioritizing vessel inspections.
- Vessels must comply with inspections; may not submit false information; may not import, export, transport, sell, receive, acquire, or purchase in interstate or foreign commerce any fish or fish product taken in violation of any foreign law or treaty, or any conservation and management measures; may not falsify records or identifications of fish; etc.
- Permits authorized officers to make appropriate arrests and issue citations.

- Sets forth forfeiture procedures and administrative, civil, and criminal penalties.
- Directs the Secretary to provide assistance, including grants, to assist developing nations and international organizations in meeting their obligations under the Agreement.

S 269: International Fisheries Stewardship and Enforcement Act

A bill to establish uniform administrative and enforcement authorities for the enforcement of the High Seas Driftnet Fishing Moratorium Protection Act and similar statutes, and for other purposes.

- **Introduced by** Jay Rockefeller (West Virginia) on February 11, 2013; ten cosponsors.
- **Status:** Read twice and referred to the Committee on Commerce, Science, and Transportation.

Details:

- Directs the Secretary of Commerce and the Secretary of the department in which the Coast Guard is operating to enforce specified laws concerning fisheries and fish products, as applicable to specified provisions of this Act.
- Sets forth penalties under the MSA and provides additional authority for searches, inspections, shipment detentions, arrests, and subpoenas.
- Amends the High Seas Driftnet Fishing Moratorium Protection Act to direct the Secretary to identify nations or entities that are engaged or have been engaged during the preceding three years in illegal, unreported, or unregulated fishing, or that have violated related conservation and management measures.
- Prohibits certain activities under specified fishing and marine Acts, including: (1) refusing, resisting, or interfering with searches, investigations, inspections, or observers; (2) importing, exporting, transporting, selling, or purchasing fish or fish products in violation of a treaty or any binding conservation measure to which the United States is a party; or (3) falsifying records, accounts, labels, or product identification.
- Authorizes the Secretary to: (1) identify vessels and vessel owners engaged in illegal, unreported, or unregulated fishing; and (2) take appropriate action against such vessels and vessel owners in accordance with U.S. and international law.
- Directs the Secretary to establish an interagency International Fisheries Enforcement Task Force, through NMFS, to investigate IUU fishing activity and trafficking.
- Authorizes the Secretary to establish an international cooperation and assistance program to provide assistance for international capacity building efforts.
- Authorizes information disclosure to the U.N. Food and Agriculture Organization, international fishery management organizations, or arrangements made under an international fishery agreement, if those organizations or arrangements have unauthorized information disclosure safeguards.

S 520: (Untitled)

A bill to strengthen Federal consumer protection and product traceability with respect to commercially marketed seafood, and for other purposes.

- **Introduced by** Mark Begich (Alaska) on March 11, 2013; has one cosponsor.
- **Status:** Referred to the Committee on Senate Commerce, Science, and Transportation.

No further details available at this time.

S 518: H2O Visa for Seafood Processing Act

A bill to authorize the issuance of H2O nonimmigrant visas for aliens temporarily performing labor in the seafood processing industry.

- **Introduced by** Mark Begich (Alaska) on March 11, 2013; no cosponsors.
- **Status:** Referred to the State Judiciary Committee.

Other bills that are not directly relevant to the Council, but that may be of interest:

1. HR 322: Hunting, Fishing, and Recreational Shooting Protection Act. A bill to amend the Toxic Substances Control Act (TSCA) to clarify the jurisdiction of the Environmental Protection Agency with respect to certain sporting good articles, and to exempt those articles from a definition under that Act. Seeks to exclude lead shot and fishing sinkers from applicability under the TSCA. (Jeff Miller, Florida).
- HR 764 – Coastal State Climate Change Planning Act. To amend the Coastal Zone Management Act of 1972 to require the Secretary of Commerce to establish a coastal climate change adaptation planning and response program, and for other purposes. This bill was a re-introduction of H.R. 1905 (111th). (Lois Capps, California).
 - HR 843 – San Francisco Bay Restoration Act. A bill to amend the Federal Water Pollution Control Act to establish a grant program to support the restoration of San Francisco Bay. (Jackie Speier, CA). Companion bill to S. 224 (Dianne Feinstein and Barbara Boxer, California).
 - HR 996 – Invasive Fish and Wildlife Prevention Act. A bill to establish an improved regulatory process for injurious wildlife to prevent the introduction and establishment in the United States of nonnative wildlife and wild animal pathogens and parasites that are likely to cause harm. (Louise Slaughter, New York).
 - S. 96 – Rigs to Reef Habitat Protection Act. A bill to authorize the use of certain offshore oil and gas platforms in the Gulf of Mexico for artificial reefs, and for other purposes. (David Vitter, Louisiana)
 - S. 221 – Saving Fishing Jobs Act. A bill to amend the Magnuson-Stevens Fishery Conservation and Management Act to permit eligible fishermen to approve certain limited access privilege programs, and for other purposes. (Kelly Ayotte, New Hampshire). This bill is not directly applicable to the Pacific Council, but contains provisions of interest to limited access privilege programs. It is similar to HR 2772, the Saving Fishing Jobs Act (112th Congress), introduced by Representative Runyon, New

Jersey, and referred to the House Committee on Natural Resources. Hearings were held December 1, 2011.

- S. 332 – Climate Protection Act of 2013. To address climate disruptions, reduce carbon pollution, enhance the use of clean energy, and promote resilience in the infrastructure of the United States, and for other purposes. (Bernie Sanders, Vermont)

STATE BILLS

In early February, Oregon State Representative Paul Holvey (District 8, Eugene) invited Council staff to a meeting to discuss his bill, HB 2530, which would prohibit importation, farming, incubation, cultivation, and release of live GMO salmon into the state. It would also prevent farming, cultivation, or incubation of live Atlantic salmon that may come in contact with native fish and spread disease, with some exceptions (including the use of Atlantic salmon by ODFW). Council staff attended the meeting by conference call and informed the Representative about the Council process, but the Council was not formally requested to provide comments on the bill.

PFMC
03/22/13

STAFF SUMMARY OF FIRST MSA REAUTHORIZATION HEARING

The 113th Congress's first hearing on reauthorization of the Magnuson-Stevens Fishery Conservation and Management Act was held in the House Committee on Natural Resources on March 13, 2013. A summary of testimony is provided below. These notes do not include the followup questions asked by the Committee.

Representative Doc Hastings (Chair) introduced the proceedings, noting that this hearing was intended to highlight issues that could provide the basis for further hearings. He noted that current challenges related to the MSA are due to problems in implementation, and emphasized the need for accurate, timely data. He listed several challenges facing U.S. fisheries, noting that the Pacific Northwest is seeing management and data costs growing with an increasing burden on fishermen.

Representative Hastings reviewed legislation introduced in the 112th Congress, including proposals to modify a number of provisions in the Act including modification of the Annual Catch Limit requirement, additional flexibility in rebuilding timeframes, additional transparency for councils and councils' scientific and statistical committees (SSCs), new uses of funds collected from fisheries fines and penalties, modification to the disaster assistance provision, and a definition and restrictions on catch share management programs.

He also noted that the eight regional fishery management councils are hosting the Managing Our Nation's Fisheries 3 conference in May that "will certainly add information for us to consider."

Bob Jones, Executive Director, Southeastern Fisheries Association

- The MSA should mandate that each Council set an allowable biological catch (ABC) based upon guidance from its Scientific and Statistical Committee (SSC) instead of having the SSC independently setting an ABC. Councils could opt out of this requirement. Also, it is inappropriate to require that annual catch limits (ACLs) be established for stocks that have not had a comprehensive stock assessment in the past five years.
- NOAA's National Standard 1 (NS1) guidelines mandate a calculation and allowance for "uncertainty." The "uncertainty factor" should be buffered by social and economic factors. "Uncertainty" is hard to define and should be removed from the process unless it is properly quantified in a guideline; and comprehensive stock assessments must actually be performed.
- Participants of each SSC should declare their affiliations with any non-governmental organization (NGO), past and present, and should sign a declaration if that NGO has received grants from NOAA. If SSC members are employed by NOAA in any fashion we believe they should not be a voting member of the SSC.
- The Councils and their respective SSCs must develop standards for what constitutes "best available data."
- More transparency in science, Council operations, and SSC operations is needed; the Science Centers should provide every aspect of computer modeling.

- The Councils should review the NOAA sampling protocols on an annual basis and share same with our fishing communities.
- Need more port samplers.
- There needs to be more flexibility in rebuilding timeframes.
- Fishing “communities” must be fully defined and receive more consideration by the councils.
- The MSA should allow a management regime and harvest system for as many different species of fish, even in small amounts, available for as much of the year as possible.
- The MSA should mandate that there be a certain allocation of scientific data collection for each fishery which is closed to harvest in the EEZ.
- Fishery management should be separated from fish law enforcement.
- Fines from MSA fishing violations should be used to fund cooperative fisheries dependent and fisheries independent research projects and to establish a mandatory training program for MSA violators.
- Catch-share initiatives should be a tool in NOAA’s toolbox, but only used if there is a current, complete stock assessment for the fishery under consideration, and only if the entire fishing community is involved in the process. Catch shares must stay in the commercial fishing sector.

Dr. Robert Shipp, Chair and Professor, Department of Marine Sciences - University of South Alabama

Testimony related to management of reef species in the Gulf of Mexico; called for extending the Gulf states’ management authority to manage reef species out to 20 fathoms. Also condemned practice of removing oil platforms with explosives rather than dismantling.

Robert Dooley, President, United Catcher Boats (Half Moon Bay, CA)

- Strongly support the MSA and National Standard 1. However, the array of management thresholds is confusing, contradictory, and needlessly inefficient (OFLs, ABCs, ACLs, MSY, etc.).
- The fisheries management process needs to recognize that MSY and OY are long-term averages, not yearly mandates. The MSA needs to be amended to make this principal explicit.
- Rollovers, or overages and underages of catch targets, can be and should be allowed to carry over from year to year so long as the prevention of overfishing and the long-term achievement of OY occur.
- ACLs need to be made more flexible.
- Rebuilding targets and timelines need to be more flexible. Instead of a fixed rebuilding period of ten years, rebuilding timelines should be allowed to be established by the Councils consistent with the biology of the fish stock, the needs of fishing communities, and the NS1 requirements to prevent overfishing and achieve optimum yield on a continuing basis.
- Catch shares should be initiated and driven by the participants in the fishery. (Included praise for stakeholder participation in the West Coast groundfish catch share program).
- Do not include sunset provisions or similar catch share terminations in the MSA.

- Multi-species catch share programs like the west coast trawl IQ program require proper measures to insure that hoarding of small allocations of constraining species do not thwart the intentions of the program.
- Transition from human observers to electronic monitoring systems; however, electronic monitoring systems should be designed and implemented in response to a specific problem statement that clearly identifies the data needed to ensure accountability. For example, in a full retention fishery an EM system that can identify the species of fish being discarded is superfluous since any discard is a violation of the fishery management plan. A high-tech camera is not needed to discern if a discard event has occurred.
- Hold charter and recreational fishers accountable for their impacts on fish.
- State fishery management plans for stocks of fish predominantly managed by the Councils should be subject to review and approval by the Secretary of Commerce for compatibility with the federal FMP.
- When a designated fish stock is fully utilized by a developed fishery and the federal management of such fishery is well defined, the states should not be allowed to establish a new fishery that utilizes the same fish stock.
- Bycatch management programs need to be reasonable and also allow input into the design and management by fishermen.
- Cooperative management and research should be incentivized and encouraged. The costs of such activities should be included as a credit when calculating cost recovery for catch share programs. Retention of catch and the calculation of such outside of ACLs should also be allowed.

John Pappalardo, Chief Executive Officer, Cape Cod Commercial Hook Fishermen's Association

- Strongly support the MSA.
- Need better and timelier stock assessments; electronic monitoring; consideration of additional catch shares in New England; and innovative financing programs to support initiatives like community permit banks and fisheries trusts which allow communities to buy permits, maintain permanent fisheries access, and provide affordable opportunities for local fishermen.
- Also need stable markets and transparent distribution pathways to ensure a fair price; stronger domestic markets for underutilized stocks.
- Need ecosystem-based management, including consideration of how predators interact with fisheries.
- Need to reconsider how fisheries-dependent catch data is collected. It needs to be done faster, better and cheaper, and need to consider use of the private sector to get it done.
- Support reforming the Saltonstall-Kennedy (S-K) grant program. S-K funds can and should be used to provide much needed resources to the regions for improvements in monitoring and stock assessments.
- We must begin to stamp out seafood fraud and bring more transparency to the supply chain by passing Congressman Markey's Seafood Fraud legislation.

Captain Keith Logan, Charterboat Captain, Myrtle Beach, South Carolina

- The 2006 reauthorization of the MSA is shutting down fishing operations. Oppose ACLs.
- The MSA needs to be reworked to add flexibility, access, and a “sound science” approach to sustainability. It currently leads to overly aggressive closures of healthy fisheries without good data to back it up.
- The process of science needs to be improved and made more transparent. NOAA must include biology, social and economic impact analyses, habitat evaluations, and ecosystem management issues.
- Fisheries must be open year round in order to avoid severe economic impacts.
- Eliminate the Precautionary Principle and redefine “Best Available Science.”
- Improve MRFFS data collection.
- SSC members should be leading scientists; there should be no ties to “extremist” environmental groups. Members should include fishermen.
- If reductions in the bag limits are needed to keep a fishery open year round, they need to be addressed prior to the ACL being set.
- Accountability measures (AMs) should not include catch shares. AMs make business planning and budgeting impossible.
- Data collection system needs to be improved before hard time limits to end overfishing are imposed. Provide flexibility in rebuilding deadlines.
- Consider defunding NMFS immediately and move fisheries management to the state level, only in the Gulf and Atlantic.
- Oppose catch shares in recreational fisheries. If there are catch shares in the commercial fishery, quota should be leased directly from the government, with lease fees.
- Address definitions in ending overfishing.

Testimony of Robert P. Gill (Processor, former Gulf of Mexico Fishery Management Council member and Chair)

- ACLs and AMs have been effective in ending overfishing and rebuilding stocks.
- Support hard ceilings through science-based catch limits, while recognizing burden on stakeholders.
- Do not roll back key conservation provisions in the Act. Modest changes can be made.
- Need to consider how to better manage data poor stocks. Need more, timelier and better stock assessments. Setting ACLs for data-poor stocks is difficult.
- Need to develop less costly ways to address data-poor stocks. Consider using alternative, semi-quantitative methods.
- Oppose proposed legislation that would remove the requirement for ACLs for stocks that have not had a stock assessment in the past five years regardless of the status of the stock. This could create more problems in the future if the stock becomes overfished or undergoes overfishing.
- Oppose proposed legislation proposing that ACLs be suspended in fisheries that have been rebuilt. This would allow managers to stop using the very tool that allowed the fishery to rebuild in the first place.
- In terms of improving science, we should build and strengthen on the existing structure rather than making major changes mid-stream.

- Need a significantly increased investment in science. Support previously proposed legislation that called for increased transparency in the prioritization of stock assessments and for NOAA to release an annual report identifying which stock assessments would be conducted in a given year and the needed budget.
- Strike a better balance between the biological needs and social needs.
- Lack of data and science leads to larger uncertainty in stock status, which translates to larger buffers to compensate for the increased probability that overfishing might occur. The result is fewer fish available for all fishermen, and socioeconomic impacts.
- The changing environment is already affecting oceans and fisheries. Ocean acidification is becoming an issue for shellfish, and habitat degradation is a constant concern. Need more and better baseline data for our ecosystem as a whole. Also need to focus on environmental impacts on fisheries to ensure long-term fishery health. Fisheries must be resilient in the face of a changing environment; managers must have the tools and information needed to assess the impacts of climate change and other environmental issues.
- Consider a modest extension of timelines required for rebuilding stocks deemed overfished, especially when overfishing is not the primary cause. However, any change to rebuilding requirements must be approached cautiously.
- Transparency of the Councils and SSCs must be improved. Allow web access to meetings and records of proceedings, and ensure the public has access. Need to also get the word out and not slow the process unduly as a result of notification requirements.
- Establishing a policy to maximize transparency would be sufficient, but do not detail specifics.
- Use caution in any attempts to revise the makeup of the Councils. Allowing one group to have a greater number of seats on a Council would establish a biased fishery management regime in that Council. The minimum number needed to attain reasonable representation from the various stakeholders should be the maximum size of the Council.
- Proceeds from penalties and fines should go to the region or fishery where the fine or penalty originates. The regions should be allowed to design programs with associated fees and allow those fees, again to the extent possible, be directed back to the region, and more specifically to the fishery in which the penalty was incurred.
- Catch share programs are neither inherently good nor bad. We need to be open to non-traditional management approaches; doing business as we have in the past is not always best for the future. (Referred specifically to red snapper fishery).
- Do not support highly restrictive requirements that effectively gut the option of catch share programs being designed and implemented. Councils need the flexibility to design management measures that are best for their region and fisheries.
- Concerned about the viability of the current fishery management process, due to an increasing disenchantment of and credibility in the system by the many stakeholders (especially in the Gulf). Fisheries management relies on voluntary compliance. Now, folks at many levels seek to disregard Federal regulations in Federal waters. Our goal should be to work together to maximize fishing opportunities for as many people as possible, within the bounds of a prudent scientific basis. A harmonious whole is better than a fractious assemblage of parts.

Joseph Plesha, Chief Legal Officer, Trident Seafoods Corporation

- The MSA has been a success.
- Support catch share programs. Rationalized fisheries outperform open access fisheries in many respects; open access programs “systematically destroy the ability of society to collect net benefits from the fisheries due to overcapitalization.”
- Rationalization programs must include processing plant owners as well as vessels; NOAA should not limit Councils’ abilities to fashion rationalization programs (discussed, in detail, the reasons for including processors; also causes of industry opposition to catch shares).
- Fishery cooperatives are an effective way to rationalize a fishery that includes both vessel and plant owners. However, NOAA has taken the legal position that such management systems are not “authorized” under the MSA.
- (Discussed state management of salmon fisheries in Alaska’s EEZ, and potential repeal of the Council’s FMP for salmon).
- Congress should consider amendments to the MSA that allow some flexibility in its rebuilding requirements when a stock is considered “overfished.”
- The key provisions of NEPA should be incorporated within the framework of the MSA, and the MSA remain the guiding law for fisheries management.

Sam Rauch, Deputy Assistant Administrator for Regulatory Programs for NMFS

- Commented on the importance of fisheries to the nation and the economic value of fisheries; provided background about NOAA’s implementation of the MSA.
- The system is effectively rebuilding fisheries due to the MSA and its reauthorizations; however, many difficult decisions have had to be made.
- Must look for opportunities to increase flexibility in our management system.
- NMFS is currently reviewing the NS1 guidelines.
- It is vital that NMFS’s current level of science not regress.
- Need more and better stock assessments; need to invest in cooperative research and electronic monitoring, and enhance engagement with fishermen through partnerships with industry, cooperative research, and other efforts
- The Marine Recreational Information Program was established to improve recreational fishery data. Currently working on improvements to the program.
- In future, need better and more scientific data; must continue progress on addressing overfishing and rebuilding; and need to better address the transitions that come with management changes
- Need a better understanding of ecosystem, habitat, and climate change; these need to be incorporated into stock assessments and management decisions
- Views on legislation proposed in the 112th Congress:
 - NOAA supports the regional fishery management Councils and believes all viable management tools should remain as options for the Councils to use.
 - Must maintain progress toward ending overfishing and rebuilding stocks. ACLs are an effective tool. NOAA is concerned about efforts to create exemptions or weaken ACLs.
 - Uncertainty in the stock assessments upon which annual catch limits are based should not be used as a basis for exempting fisheries from annual catch limits.

- In an increasingly constrained fiscal environment, we must not mandate duplicative or otherwise unnecessary actions. Additional stages of review for certain types of fisheries data, or repeating data collection and stock assessment efforts when there are already sound peer reviewed processes in place, would divert resources to a select few fisheries at the expense of others with little additional benefit.
- NMFS is open to finding opportunities for efficiency and improved management in order to end overfishing, rebuild stocks and achieve stable economic opportunities for our fishermen and coastal communities.
- Continued collaboration is necessary to address the ongoing challenges of maintaining productive and sustainable fisheries.
- (Discussed the Managing Our Nation's Fisheries 3 conference in detail).

PFMC

03/22/13

April 2013



Pacific Fishery Management Council

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Dan Wolford, Chairman | Donald O. McIsaac, Executive Director

October 1, 2012

The Honorable Mike Thompson
United States House of Representatives
231 Cannon Office Building
Washington, DC 20515

The Honorable Jaime Herrera Beutler
United States House of Representatives
1130 Longworth HOB
Washington, DC 20515

Subject: Requested Pacific Fishery Management Council (Pacific Council) Report on H.R. 6362, The Revitalizing the Economy of Fisheries (REFI) in the Pacific Act of 2012

Dear Congressman Thompson and Congresswoman Herrera Beutler:

Thank you for your August 23, 2012 letter and your request for Pacific Fishery Management Council (Pacific Council) comments on H.R. 6362, the Revitalizing the Economy of Fisheries (REFI) in the Pacific Act of 2012. The Pacific Council and its Legislative Committee reviewed H.R. 6362 at their September, 2012 meeting in Boise, Idaho and are highly supportive of efforts to ease the financial burden to groundfish fisherman through refinancing the existing loan funding the limited entry trawl fishery buyback under the Pacific Coast Groundfish Fishery Fishing Capacity Reduction Program. The Pacific Council has directed me to send you the following comments.

The Pacific Council notes that West Coast groundfish fishermen have made substantial sacrifices to maintain and rebuild fish stocks while restructuring and rationalizing fisheries. The limited entry trawl fishery has recently been transformed into a Trawl Individual Quota program, which is having beneficial outcomes for the resource and the fishery, but is also imposing significant added observer and cost recovery expenses on the fishermen. H.R. 6362 would assist in limiting further economic casualties in the fishery.

The Pacific Council supports H.R. 6362 provisions that cap the debt obligation paid by fisherman at 3 percent of exvessel revenue rather than 5 percent and that extend the term of the loan to 45 years. The Pacific Council notes that H.R. 6362 does not specify the detailed terms of the loan refinance, but rather refers to sections 53702 and 53735 of title 46, United States Code. Pertaining to interest rates on direct loans to fisheries, section 53702(b)(2) states that "*the annual rate of interest an obligor shall pay on a direct loan obligation under this subsection is 2 percent*

plus the additional percent the Secretary must pay as interest to borrow from the Treasury the funds to make the loan." Uncertainties in the timing of H.R. 6362's potential passage into law coupled with varying interest rates in a fluctuating economic environment make it difficult to assess the financial implications and specific terms of the proposed refinance. However, fixing the rates at present levels or lower could eliminate the uncertainty. Nevertheless, the Pacific Council perceives that the likely outcome will reduce the economic burden to the fishermen and thus supports the bill.

Thank you again for your request for Pacific Council comments on H.R. 6362. The Pacific Council appreciates your dedication to West Coast fisheries and the communities that depend on them. Should your staff have any questions about the enclosed report or require additional information, please have them contact me or Mr. Mike Burner at 503-820-2280.

Sincerely,



D. O. McIsaac, Ph.D.
Executive Director

MDB:kam

c: Pacific Fishery Management Council Members

Mr. Randy Fisher, Executive Director, Pacific States Marine Fisheries Commission
Mr. Chuck Tracy, Deputy Director, Pacific Council
Ms. Kelly Ames, Staff Officer, Pacific Council
Mr. John DeVore, Staff Officer, Pacific Council
Mr. Jim Seger, Staff Officer, Pacific Council
Mr. David Whaley, Committee on Natural Resources, U.S. House of Representatives
Ms. Lindsey Kraatz, Legislative Fellow, Office of Congressman Mike Thompson
Mr. Chad Ramey, Legislative Director, Office of Congresswoman Herrera Beutler
Mr. Will Stelle, NMFS Regional Administrator, NWR
Mr. Rod McInnis, NMFS Regional Administrator, SWR

Coastal Pelagic Species Advisory Subpanel REPORT ON
LEGISLATIVE MATTERS

Members of the Coastal Pelagic Species Advisory Subpanel (CPSAS) discussed priorities for consideration in Magnuson Act (MSA) reauthorization discussions. Any changes to existing MSA mandates should be accompanied by full analysis of what appropriate funding levels need to be to carry out the intention of such mandates. These should include but not be limited to adequate research funding, for NOAA Fisheries-sponsored as well as cooperative research. In addition, regional fishery management council operations must be funded at appropriate levels to achieve the directives and objectives of the re-authorized MSA. We also emphasize the need to develop more collaborative research opportunities and collaborative management.

PFMC
04/11/13

Groundfish Advisory Subpanel Report on
Legislative Matters

The Groundfish Advisory Subpanel (GAP) received a briefing from Ms. Jennifer Gilden on legislative matters discussed by the Legislative Committee. The primary focus of GAP discussions were priorities for reauthorizing the Magnuson-Stevens Act (MSA). The GAP offers the following comments and recommendations.

- Flexible Annual Catch Limits (ACL) management. The GAP is concerned that current ACL management is too stringent to accomplish the intent of optimum yield (OY) management. There is too much precaution in deciding the ACL specification. ACLs should be managed to better meet the goal of OY attainment, the socioeconomic objectives of the MSA, and to minimize fishery instability. The concept of long term averaging or multi-year ACLs will better enable implementation of the carry-over provisions in the fishery management plan (FMP). This conceptual change will have no biological consequence to our long-lived groundfish stocks.
- Eliminate the 10-year rebuilding rule and provide more consideration of community needs for stocks that must be rebuilt in a longer time period. The 10-year rule, where stock rebuilding must occur within 10 years if possible, leads to an awkward and discontinuous policy that disrupts fisheries for little conservation gain. For example, if a stock can rebuild in 9.9 years but at a cost of closing all fisheries, this becomes a mandate even if the economic disruption is greatly lessened with an 11-year rebuilding plan. This is illogical and potentially disastrous for fishing-dependent communities.
- Clarify rebuilding policy. There is an unwritten NMFS policy that once a rebuilding plan is adopted, it must be maintained until the biomass target is reached, even in the case when a new assessment representing the best available science indicates the stock was never overfished, or the stock is in the precautionary zone and subject to the harvest control rules in the FMP (e.g., the 40-10 rule). Changes in rebuilding rules could also clarify this policy.
- Establish a mandate or policy to better differentiate signal vs. noise in stock assessments and rebuilding analyses. Uncertainty in stock assessments and rebuilding analyses for overfished stocks has created a situation where seemingly small changes to analytical results can lead to dire consequences to fisheries and fishing communities. This disruption is especially egregious when analytical results vary due to assessment uncertainty.
- Streamline the National Environmental Policy Act (NEPA) and MSA processes. While the 2006 reauthorization of the MSA seemingly made streamlining the NEPA and MSA processes a mandate, NMFS has not addressed this. We still have an inefficient process where there are two administrative tracks to satisfy NEPA and MSA process mandates. This unnecessarily delays implementation of regulations and ties up NMFS and Council resources that could be used to make progress on other important initiatives. Specifically, it makes sense to use the regional fishery management council process,

which is designed to engage the public before decisions are made, as a substitute to the notice and comment rulemaking required in the NEPA process. This would not compromise the quality of analysis required by NEPA. Council decisions are widely noticed to the public to solicit maximum input before decisions are made.

- Clearly permit the use of the mixed stock exemption. The GAP agrees with the SSC that this is necessary. There are instances in west coast groundfish management where the mixed stock exemption should receive serious consideration and the lack of guidance on how to analyze or consider invoking the mixed stock exception has led to this policy never receiving due consideration.
- Limited Access (LAPP) cost recovery. LAPP cost recovery provisions should be clarified to define recoverable costs as only those incremental costs directly related to administration of the LAPP. The determination of recoverable costs should be done in regard to a “with and without” basis (i.e., before and after LAPP implementation) in order to allow identification of the incremental change in such costs under the pre-existing management regime compared to the new regime post-implementation. NOAA Fisheries should be required to quantitatively describe recoverable costs in an open and transparent process that includes regional council review and approval. Congress gave authority over development of LAPP cost recovery programs to the regional councils. NOAA Fisheries should not subsume this authority by developing cost recovery programs independent of the regional councils.
- Allow electronic monitoring. Amend the MSA to specifically allow electronic monitoring in lieu of human observers.
- Maintain the positive aspects of the MSA. The GAP believes there are many mandates and aspects of the MSA that should not be changed. Decisions on allocation and on how to rationalize fisheries should continue to be made at the regional level and not be subject to top-down mandates. Catch share programs and formal allocations provide stability in fisheries management. National initiatives to sunset catch share programs or formal allocations are bad ideas. The aspects of the MSA establishing regional control in decision-making work very well and allow tailoring of fisheries management according to regional needs. Changing this aspect of the MSA will compromise the positive foundation of the MSA and will lead to disastrous consequences.

GROUND FISH MANAGEMENT TEAM REPORT ON LEGISLATIVE MATTERS

The Groundfish Management Team (GMT) received a briefing from Ms. Jennifer Gilden and reviewed the available briefing materials under Agenda Item B.4. The Legislative Committee's (LC) report was not available at the time, yet Ms. Gilden was able to summarize the LC main recommendations to us. We also reviewed the Scientific and Statistical Committee's (SSC's) statement (Agenda Item B.4.c, Supplemental SSC Report) on priorities for Magnuson Stevens Act (MSA) reauthorization and generally agree with their recommendations, although we did not have time to discuss them all in detail. Discussions about the MSA and its implementation involve aspects of law, science, and policy with the divisions between them often difficult to see. As a technical advisory body, our comments are intended to address views on how interpretations of the MSA have affected analysis and process under the groundfish fishery management plan (FMP). We do not intend to make value judgments about what the Council's or nation's policies should be. With that perspective in mind, we offer the following items for the Council's consideration:

- The integration of MSA and National Environmental Policy Act (NEPA) that Congress mandated in the last reauthorization of the statute still has not been implemented. And there currently appear to be some redundancies that remain between Council processes under MSA and NEPA. In short, NEPA and the MSA could likely be better integrated—in terms of process and environmental analysis—without reducing the quality of either. In addition, there are strong connections between the environmental questions NEPA raises and the analytical methods being advanced under ecosystem based fisheries management, as we have been raising under the Council's consideration of Amendment 24 and ecosystem related agenda items (Agenda Item H.1.c, Supplemental GMT Report). Recognizing those connections and better integrating NEPA with MSA-focused analysis could be a way for Congress to support continued progress toward ecosystem based fisheries management and align staff and scientific resources with the highest conservation needs. The perception of many seems to be the opposite--i.e. that proposed changes to NEPA are necessarily motivated by a desire to pay less attention to environmental impacts and conservation.
- We also think that Congress could learn from our west coast examples of rebuilding. Congress added the rebuilding provisions to the law in 1996 with certain policy goals in mind. Feedback from the Council's experience could help Congress' deliberations on whether those goals are being met. The results we have seen could be counter to expectations. For instance, with petrale sole the rebuilding projections showed the most long-term yield was expected by rebuilding using the standard F_{msy} harvest rate, which was the slowest rebuilding alternative considered by the Council. This was counter to expectations and the widely held assumption that rebuilding "as short as possible" produces the most yield and economic benefit overall. In short, we believe Congress could change the law with a standard that more directly focuses on balancing the trade-

off between short term economic consequences and long term yield and other impacts to the fishery and ecosystem without imposing overly formulaic constraints on the Councils.

- Carryover in the Individual Fishing Quota (IFQ) program is another area where questions about interpretations of the MSA have arisen. Consideration of carryover has been focused on the risk that issuing carryover might lead to an annual catch limit (ACL) overage despite everyone agreeing that such an overage would not raise a biological concern. More generally, this interpretation is one where we have questioned the emphasis of annual catch over the expected outcome over a multi-year period.
- Finally, we see also benefit in clarification of what data can be released to the public under the confidentiality standards of the MSA. Whether one wishes for more disclosure of fisheries data or not, the standards governing what can be disclosed are somewhat vague. We're referring mainly to the "identity or business" provision we spoke to in June 2012 ([Agenda Item B.1, Supplemental Open Comment 3](#)) in the context of the proposed rule the National Marine Fisheries Service (NMFS) issued interpreting that phrase and other matters of data confidentiality. We typically use the "rule of 3" to protect the identity and business of fishery participants but the origins of this rule are unclear and some of us suspect that it is sometimes employed in an overly-protective manner. The main trade-off to overly-protective confidentiality, of course, is the information available to the Council and the public for decision-making.

PFMC
04/09/13

HABITAT COMMITTEE REPORT ON LEGISLATIVE MATTERS

The Habitat Committee (HC) discussed potential improvements to the Magnuson-Stevens Fishery Conservation and Management Act to be discussed at the Managing Our Nation's Fisheries 3 conference. The committee made two recommendations:

- Develop a new term, other than “overfishing,” for when a run is depressed for reasons not related to fishing; and for the “overfishing” reports required when a stock is “overfished” for three years in a row.
- The HC agrees with National Oceanic and Atmospheric Administration Assistant Administrator Sam Rauch, in his comments to the House Committee on Natural Resources, that ecosystem, habitat, and climate change need to be incorporated into stock assessments and management decisions.

PFMC
04/08/13

LEGISLATIVE COMMITTEE REPORT ON LEGISLATIVE MATTERS

The Legislative Committee (LC) met on Friday, April 5. The meeting was attended by committee members Mr. David Crabbe, Ms. Dorothy Lowman, Mr. Dale Myer, and Mr. Dan Wolford. Council staff officer Jennifer Gilden, Council Executive Director Dr. Don McIsaac, Council member Gway Kirchner, former Council Chairman Don Hansen, and former Council member Rod Moore also attended.

The Committee briefly reviewed fishery-related bills in the 113th Congress (see Agenda Item B.4.a, Attachment 1) and discussed priorities for discussions at the Managing Our Nation's Fisheries 3 (MONF3) Conference surrounding the reauthorization of the Magnuson-Stevens Act (MSA).

Current Legislation

Of the current legislation, the LC was primarily concerned with HR 1012: Safety and Fraud Enforcement for Seafood Act (introduced by Ed Markey, MA, and companion bill to S. 520, introduced by Mark Begich, AK). This law, which is driven by concerns about mislabeling of seafood, aims to strengthen Federal consumer protection and product traceability with respect to commercially marketed seafood. It would require seafood imported into the US "or otherwise distributed or offered for sale in interstate commerce" to be labeled with the acceptable market and scientific name; the harvest method, including gear type; catch date; weight; previous treatment (freezing, chemical treatment, country of processing); whether fish was wild caught or farm raised; location of fish farm; and cultivation method. This information could be made available upon request rather than appearing on a label.

The LC heard concerns from the West Coast Seafood Processors Association that the bill as written would be nearly impossible to implement, particularly the individual fish labeling requirement for products like shrimp, whiting, and crab. The LC plans to continue to track the bill.

Magnuson Act Reauthorization Priorities

As noted in the agenda item summary, the LC discussed Council priorities for MSA reauthorization, which will be discussed at the Managing Our Nation's Fisheries 3 conference. The eight Regional Fishery Management Councils have been asked by Congressional representatives for their input on priorities to be considered in reauthorizing the MSA. Further, each Council has been asked to identify priorities for discussion at MONF3. The LC recommended the following candidate priorities for Council consideration. The LC did not attempt to prioritize the items on the list.

Forage fish

- MSA Section 600.747 rules for the List of Fisheries have been in place since 1979. Essentially, anyone intending to use a new gear or enter a new fishery must notify the relevant Council and the Secretary 90 days in advance of the new activity. If the Council finds that the new activity will not compromise conservation and management efforts, it must recommend that the list of fisheries be amended to include the new gear. If the Council finds that the new fishery will compromise conservation and management efforts, then it must recommend to the Regional Administrator that the list of fisheries not be amended, and must give reasons for the disapproval. National Marine Fisheries Service (NMFS) considers the recommendation and decides whether to publish a proposed rule, unless NMFS considers that the new activity should be disallowed, in which case NMFS would publish emergency or interim regulations to restrict use of the gear or participation in the fishery. The LC recommends updating and streamlining these rules to be a more direct, efficient, and effective, and consistent with Council goals and objectives.

Rebuilding Flexibility

- Need increased flexibility in rebuilding plans.
 - Need a better way to differentiate between “noise” and “signal” when new stock assessments are adopted, and to not require a significant management response from “noise” changes.
 - Need better definition in taking the needs of fishing communities into account, such that effects on fishing communities do not need to reach the level of disaster before they can balance greater conservation.
 - In order to address flexibility in rebuilding time frames, change section 304 to read “practical” instead of “possible.”
 - Need a way to better respond when an improved assessment for a rebuilding species is received; for example if an assessment shows that a species was never actually overfished.

Clarify the Use of Best Available Science

- Need additional flexibility to address scientific uncertainty. Need to improve methods to determine ACLs in low data situations, and properly discriminate between poor, good, or medium-quality science; the best available science is not always good enough to set harvest limits.

New Environmental Review Process

- There is a need to more closely align National Environmental Policy Act and MSA requirements and streamline the process, as required in Section 304(i). This is an unfulfilled requirement in the current law. Examples of problems in the Pacific Council process include difficulty in completing biennial groundfish specifications in a timely manner, and the chafing gear regulation clarification.

FUNDING

- Currently, the fines from any illegal, unregulated, and unreported vessel caught operating in the Western Pacific region are provided to a fund that can be drawn on by the Western Pacific Council. Such a system should be pursued for the Pacific Council area.
- Councils need to be better funded.

Refine ACL Requirements

- Need to consider ways for dealing with layers of precaution which sell achieving the optimum yield short, such as averaging annual catch limits (ACLs) over time.
- Limit changes to ACLs to within 10-15 percent in order to smooth scientific uncertainty (for stocks that show highly variable scientific estimates for the same year, such as bocaccio)

Preserve Positive Aspects of Current Management

- The Pacific Council's Scientific and Statistical Committee process, catch shares, and ground-up public involvement process are working well.
- There needs to be an awareness that many changes proposed in legislation are meant to address other Councils' issues but could end up undermining our successes.

LC Commends Bob Dooley

Bob Dooley of Half Moon Bay, president of United Catcher Boats, testified before the House Natural Resources Committee in their hearings on the MSA last month. In voicing his opinion of the Magnuson-Stevens Act, and outlining several ways in which the law can be improved, he made several positive references to the Pacific Council process and the west coast groundfish trawl rationalization program. His descriptions of the Council process were accurate, and positively advanced the understanding of the members of the House Natural Resources Subcommittee. The LC commends Mr. Dooley for his effective and thoughtful testimony.

LC Business

Mr. David Crabbe was elected as vice-chair of the LC. The LC proposes to meet again at the June Council meeting.

PFMC
04/11/13

SCIENTIFIC AND STATISTICAL COMMITTEE REPORT ON PRIORITIES FOR MAGNUSON-STEVENS REAUTHORIZATION

The Scientific and Statistical Committee (SSC) considered issues which could be addressed during the upcoming reauthorization of the Magnuson-Stevens Fishery Conservation and Management Act. It identified the following issues (in no particular order) which relate to the provision of scientific management advice, Council fisheries, and Council decision-making:

- The discontinuity of current control rules between rebuilding and non-rebuilding stocks is problematic due to the scientific uncertainty inherent in stock assessment. Establishing continuous control rules across the minimum stock size threshold (MSST) would limit large changes in regulation due to minor variations in assessment results.
- The rule that defines the maximum time for overfished stocks to rebuild, T_{MAX} , is discontinuous at 10 years. It should be replaced by a rule that is not discontinuous, such as “ T_{MAX} is the larger of 10 years or the sum of T_{MIN} and one mean generation time.”
- Guidance should be developed on how results from new assessments should be used to change fishing mortality rates for overfished and rebuilding stocks and target times to rebuild to B_{MSY} (Rebuilding Revision Rules).
- The mixed stock exemption should be made operational, and guidelines provided for the biological and economic analyses needed for justifying its application.
- “Overfished” and “overfishing” are currently defined to be the same in the Act. The definitions of these terms should be changed to reflect actual practice when applying status determination criteria. “Overfished” is related to population size relative to the Minimum Stock Size Threshold (MSST) and “overfishing” is related to exploitation rate relative to the Maximum Fishing Mortality Threshold.
- Information which would normally be considered confidential should be made available to those tasked with reviewing analyses which use that information, and which will form the basis for Council decision-making.
- The term “Ecosystem Component” should be defined more clearly.
- The term “overfished” gives the impression that a stock is below the MSST because of excessive fishing. This is often not the case, so the term “overfished” should be replaced by one such as “depleted.”
- Allowance should be made for fishers to be compensated with quota for research conducted in support of fisheries management.

APPROVAL OF COUNCIL MEETING MINUTES

The draft November 2012 Council meeting minutes are provided for Council review and approval in Attachment 1.

The full record of each Pacific Fishery Management Council (Council) meeting is maintained at the Council office, and consists of the following:

1. The meeting notice and proposed agenda (agenda available online at <http://www.pcouncil.org/resources/archives/briefing-books/>).
2. The approved minutes (available online at <http://www.pcouncil.org/council-operations/council-meetings/past-meetings/>). The minutes summarize actual meeting proceedings, noting the time each agenda item was addressed and identifying relevant key documents. The agenda item summaries consist of a narrative on noteworthy elements of the gavel-to-gavel components of the Council meeting and summarize pertinent Council discussion for each Council Guidance, Discussion, or Action item, including detailed descriptions of rationale leading to a decision and discussion between an initial motion and the final vote.
3. Audio recordings of the testimony, presentations, and discussion occurring at the meeting. Recordings are labeled by agenda number and time to facilitate tape or CD-ROM review of a particular agenda item (available from our recorder, Mr. Craig Hess, Martin Enterprises, martinaudio@aol.com).
4. All documents produced for consideration at the Council meeting, including (1) pre-meeting advance briefing book materials, (2) pre-meeting supplemental briefing book documents, (3) supplemental documents produced or received at the meeting, validated by a label assigned by the Council Secretariat and distributed to Council Members; (4) written public comments received at the council meeting in accordance with agenda labeling requirements; and (5) electronic material or handout materials used in presentations to Council Members during the open session (available online at <http://www.pcouncil.org/council-operations/council-meetings/past-meetings/>).
5. The Council Decision Summary Document. This document is distributed immediately after the meeting and contains very brief descriptions of Council decisions (available online at <http://www.pcouncil.org/resources/archives/council-meeting-decisions/>).
6. Draft or final decision documents finalized after the Council meeting such as Environmental Impact Statements or Environmental Assessments.
7. Pacific Council News. The Spring Edition covers March and April Council meetings; the Summer Edition covers the June Council meeting; in some years, a Fall Edition covers the September meeting; and the Winter Edition covers the September and November Council meetings (available online at <http://www.pcouncil.org/resources/archives/newsletters/>).

Council Action:

- 1. Review and approve the draft November 2012 Council meeting minutes.**

Reference Materials:

1. Agenda Item B.5.a, Attachment 1: Draft Minutes: 216th Session of the Pacific Fishery Management Council (November 2012).

Agenda Order:

- a. Council Member Review and Comments
- b. **Council Action:** Approve Previous Council Meeting Minutes

Dan Wolford

PFMC
03/21/13

DRAFT MINUTES
216th Session of the
Pacific Fishery Management Council
November 2-7, 2012
Hilton Orange County/Costa Mesa Hotel
3050 Bristol Street; Costa Mesa, CA 92626

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A. Call to Order

A.1 Opening Remarks (11/03/12; 8:04 a.m.)

Mr. Dan Wolford, Chairman, called the 216th meeting of the Pacific Fishery Management Council (Council) to order at 8:04 a.m. on Saturday, November 3, 2012. A closed session was scheduled for later that day to discuss litigation and personnel matters. A second closed session was subsequently scheduled for Wednesday, November 7 to discuss personnel matters.

A.2 Roll Call

Dr. Donald McIsaac, Council Executive Director, called the roll. The following Council Members were present:

Mr. William L. “Buzz” Brizendine (At-Large)
LCDR Brian Chambers (U.S. Coast Guard (USCG), non-voting designee);
Mr. David Crabbe (California Obligatory)
Mr. Jeff Feldner (At-Large)
Dr. Dave Hanson, Parliamentarian (Pacific States Marine Fisheries Commission, non-voting designee)
Mr. Rich Lincoln (Washington Obligatory)
Ms. Dorothy Lowman, Vice Chair (Oregon Obligatory)
Mr. Dale Myer (At-Large)
Mr. David Ortmann (Idaho State Official, designee)
Mr. Pat Pattillo (Washington State Official, designee)
Mr. Herb Pollard (Idaho Obligatory)
Mr. Tim Roth (U.S. Fish and Wildlife Service (USFWS), non-voting designee)
Mr. David Sones (Tribal Obligatory)
Mr. Bob Turner (National Marine Fisheries Service (NMFS), Northwest Region, designee),
Ms. Marija Vojkovich (State of California Official, designee)
Mr. Gordon Williams (Alaska State Official, non-voting designee)
Mr. Steve Williams (Oregon State Official, designee)
Mr. Dan Wolford, Chair (At-Large)

During the meeting, the following people were present in their designated seats for portions of the meeting:

Mr. Brian Corrigan (USCG, non-voting designee); Ms. Michele Culver (Washington State Official, designee); Ms. Joanna Grebel (California State Official, designee); Mr. Mark Helvey (NMFS, Southwest Region, designee); Ms. Gway Kirchner (Oregon State Official, designee); Mr. Frank Lockhart (NMFS, Northwest Region, designee); LCDR Brad Soule, (USCG, non-voting designee); and Ms. Marci Yaremko (California State Official, designee).

Mr. Dave Hogan (U.S. State Department, non-voting) was absent from the meeting.

A.3 Executive Director's Report

Dr. Donald McIsaac introduced the following informational reports:

- Informational Report 1: *Federal Register* Notice Dated September 28, 2012, 90-day Finding on Petitions to List the Northeastern Pacific Ocean District Population of Great White Shark as Threatened or Endangered Under the ESA.
- Informational Report 2: DRAFT Terms of Reference for the Groundfish and Coastal Pelagic Species Stock Assessment Review Process for 2013-2014 (Dated October 2012).
- Informational Report 3: Pacific Whiting Conservation Cooperative Amendment 20 Catcher/Processor Cooperative Preliminary Annual Report 2012 (Dated October 2012).
- Informational Report 4: H.R. 2706, Billfish Conservation Act of 2012 (January 3, 2012).
- Supplemental Informational Report 5: Whiting Mothership Cooperative; an Amendment 20 Mothership Catcher Vessel Cooperative Preliminary Report on the 2012 Pacific Whiting Fishery.
- Supplemental Informational Report 6: Status Report of the 2012 Ocean Salmon Fisheries Off Washington, Oregon, and California.

Dr. McIsaac provided information regarding the cancellation of the Lenfest presentation, the adjustment to the agenda for cancellation of Agenda Item F.1, Approval of Council Meeting Minutes, and a change concerning the National Conference (Agenda Item A.3, Supplemental Attachment 1), with regard to the purpose statement and focus topics to be presented at the National Conference.

A.4 Agenda

A.4.a Council Action: Approve Agenda

Mr. Crabbe moved Motion 1 to adopt the Council Agenda as shown in Agenda Item A.4, Proposed Agenda for the November 3-7, 2012 Council Meeting, with the change of canceling Agenda Item F.1, Approval of Council Meeting Minutes. Mr. Buzz Brizendine seconded the motion

Motion 1 carried unanimously.

B. Open Comment Period

B.1 Comments on Non-Agenda Items (11/3/2012; 8:23 a.m.)

B.1.a Reports and Comments of Advisory Bodies and Management Entities

None.

B.1.b Public Comment

Dr. Geoff Shester, Oceana, Monterey, California; provided a PowerPoint presentation (Agenda Item B.1, Supplemental Open Comment 5: The Swordfish Fishery and Our Blue Serengeti) and introduced Agenda Item B.1, Supplemental Open Comment 2: Highly Migratory Species, Proposed Drift Gillnet Expansion Letter from Oceana.

The following written materials were submitted for the Open Comment Period:

- Agenda Item B.1, Open Comment Period: Lenfest Ocean Program Presentation on Saturday, November 3, 2012 at 7:00 p.m. Balboa Bay 2 Room. (Lenfest Forage Fish Task Force) (CANCELLED).
- Agenda Item B.1, Supplemental Open Comment 3: Letters from American Cetacean Society Regarding Forage Fish.
- Agenda Item B.1, Supplemental Open Comment 4: Letter from J. Capozzelli Regarding California-Based Drift Gillnet Fishery.

B.1.c Council Discussion

None.

C. Salmon Management

C.1 National Marine Fisheries Service (NMFS) Report (11/3/2012; 8:34 a.m.)

C.1.a Agenda Item Overview

Mr. Mike Burner presented the Agenda Item Overview.

C.1.b Regulatory Activities

Mr. Bob Turner presented:

- Agenda Item C.1.b, NMFS Report: Evaluating the Effects of Salmon Fisheries on Southern Resident Killer Whales: A Bilateral Workshop Process Co-Sponsored by NOAA Fisheries and Fisheries and Oceans Canada.
- Agenda Item C.1.b, Supplemental NMFS Report 2, 2012 West Coast Salmon GSI Sampling.

C.1.c Reports and Comments of Advisory Bodies and Management Entities

None.

C.1.d Public Comment

None.

C.1.e Council Discussion and Guidance

Mr. Burner introduced Supplemental Information Report 6: Status Report of the 2012 Ocean Salmon Fisheries off Washington, Oregon, and California, which contained preliminary effort and catch data for the ocean fishery through October 31. Council members discussed limited current information on the status of inriver returns of salmon.

C.2 Preseason Salmon Management Schedule for 2013 (11/3/2012; 8:50 a.m.)

C.2.a Agenda Item Overview

Mr. Mike Burner presented the Agenda Item Overview and Agenda Item C.2.a, Attachment 1: Pacific Fishery Management Council Schedule and Process for Developing 2013 Ocean Salmon Fishery Management Measures.

C.2.b Reports and Comments of Advisory Bodies and Management Entities

Mr. Pattillo provided information regarding the issues of scheduling and coordination of our preseason management process with that of the Pacific Salmon Commission.

C.2.c Public Comment

None.

C.2.d Council Action: Adopt a 2013 Preseason Management Schedule

Mr. Williams noted he was encouraged with regard to dealing with the challenges of the April Council meeting and that his staff believes there is some time for additional state meetings in February under the proposed schedule.

Mr. Williams moved, and Mr. Feldner seconded, Motion 2 for the Council to adopt the Schedule and Process for Developing the 2013 Ocean Salmon Fishery Management Measures as shown in Agenda Item C.2.a, Attachment 1.

Motion 2 carried unanimously.

C.3 2012 Salmon Methodology Review (11/3/2012; 9:26 a.m.)

C.3.a Agenda Item Overview

Mr. Mike Burner presented the Agenda Item Overview and the following attachments:

- Agenda Item C.3.a, Attachment 1: Implementation and Assessment of proposed Bias-Correction Methods for Mark-Selective Fisheries into Fishery Regulation Assessment Model (FRAM) for Coho.
- Agenda Item C.3.a, Attachment 2: Impacts of Mark-Selective Ocean Recreational Fisheries on Washington Coast Coho Stocks.
- Agenda Item C.3.a, Attachment 3: Technical Revision to the Oregon Coastal Natural (OCN) Coho Work Group Harvest Matrix.
- Agenda Item C.3.a, Attachment 4: Comparison of Two Methods for Estimating Coho Salmon Encounters and Release Mortalities in the Ocean Mark-Selective Fishery.
- Agenda Item C.3.a, Attachment 5: Review of Modifications to Chinook FRAM Size Limit Algorithms Implemented to Allow Evaluation of Size Limit Changes.

C.3.b Reports and Comments of Advisory Bodies and Management Entities

Mr. Mike Burner summarized Agenda Item C.3.b, STT Report.

Dr. Robert Kope presented Agenda Item C.3.b, Supplemental SSC Report.

Mr. Mike Burner presented Agenda Item C.3.b, Supplemental MEW Report.

Mr. Mike Burner presented Agenda Item C.3.b, Supplemental SAS Report.

Dr. Don McIsaac presented information from Agenda Item C.3.b, Supplemental PSMFC Report;
Letter from Randy Fisher, Executive Director.

C.3.c Public Comment

None.

C.3.d Council Action: Adopt Final Methodology Changes for 2013 (10:15 a.m.)

Mr. Steve Williams referred to the Oregon coastal natural (OCN) coho marine survival index methodology established in Salmon Fishery Management Plan (FMP) Amendment 13 and the improved prediction achieved through the life cycle monitoring (LCM) site on Mill Creek in the Yaquina River drainage which traps all returning adults, including jacks. Based on that improvement, the stability of the LCM site, and ODFW's commitment to maintaining the site, he supports changing to that methodology for 2013. We will still have the current marine survival index as a back-up, and ODFW will continue to look for other stable lifecycle monitoring sites that could complement the Mill Creek site.

Mr. Steve Williams moved, and Mr. Pattillo seconded, Motion 3 to approve the new and modified methodologies for implementation in the 2013 salmon season, following the recommendations included in Agenda Item C.3.b, STT Report and Agenda Item C.3.b, Supplemental SSC Report.

Mr. Williams stated there has been a very thorough discussion of the proposed methodologies, and given the support of the Scientific and Statistical Committee (SSC), Salmon Technical Team (STT), Model Evaluation Workgroup (MEW), and Salmon Advisory Subpanel (SAS), we have a good basis and plan to help us be more effective in our strategies in March and April.

Mr. Pattillo wondered if the approved changes in methodology (e.g., for the Coho FRAM) would be in effect just for 2013, or until other alternatives were proposed. Dr. McIsaac confirmed any changes would be implemented until the Council approves other alternatives.

Mr. Williams clarified that his motion followed the recommendation of the SSC that the new methodology for OCN coho be implemented only for 2013. This methodology would be reviewed the following year and brought before the Council again to determine its future use.

Mr. Burner clarified that, of the approved changes, only the OCN coho change would be just for 2013. He also noted that his was not an FMP amendment, but an adjustment to the OCN coho workgroup matrix.

Motion 3 carried unanimously.

Dr. McIsaac asked NMFS for clarification regarding the Pacific States Marine Fisheries Commission (PSMFC) letter (Agenda Item C.3.b, Supplemental PSMFC Report) concerning a workshop to review the use of a constant 16 percent harvest rate on Endangered Species Act-(ESA) listed California coastal Chinook in the Klamath River Fall Chinook Ocean Harvest Model. What is expected for 2013?

Mr. Helvey stated that the issue was about developing an abundance-based (rather than constant percentage) harvest rate, as they have done with the winter-run harvest level. The Southwest Region has been working with components of the Southwest Fisheries Science Center to gather data on this issue and the inland division of California Department of Fish and Game (CDFG) is doing likewise. However, to date, there hasn't been any coordination between the two agencies.

The proposal for the workshop would be one way to pull the rather sparse information together.

Ms. Vojkovich noted that the idea behind the letter was to have the workshop results enter the Council process, not necessarily to have the Council set up and implement the workshop. We need to determine how and when the data comes to the Council.

Mr. Wolford stated that he would like to have the Council work cooperatively on this, similar to the work on the tule abundance-based approach.

Dr. McIsaac said that the tule review used open technical work sessions as well as presentations to the Council to bring everybody along on the review process. If Council members would like similar updates on these methodology matters we could schedule those. If we want a more elaborate process with an outside workshop, that can be discussed now and the scheduling under Agenda Item F.4. We can at least have specific exposure at the three meetings in advance of next November, as the methodology item comes up on a routine basis.

Ms. Vojkovich stated that CDFG and NMFS could work together to present more specific information at the April 2013 meeting and include this in future agenda planning.

[Agenda item concluded at 10:36 a.m.]

D. Habitat

D.1 Current Habitat Issues (11/3/2012; 10:36 a.m.)

D.1.a Agenda Item Overview

Ms. Jennifer Gilden presented the Agenda Item Overview and introduced Agenda Item D.1.a, Attachment 1: Council Letter to the Gulf of the Farallones National Marine Sanctuary.

D.1.b Report of the Habitat Committee

Mr. Joel Kawahara presented Agenda Item D.1.b, Supplemental HC Report.

D.1.c Reports and Comments of Advisory Bodies and Management Entities

None.

D.1.d Public Comments

None.

D.1.e Council Action: Consider Habitat Committee Recommendations

None.

[Agenda item concluded at 10:48 a.m.; break until 11:05 a.m.]

E. Pacific Halibut Management

E.1 2013 Pacific Halibut Regulations (11/3/2012; 11:05 a.m.)

E.1.a Agenda Item Overview

Mr. Chuck Tracy presented the Agenda Item Overview and introduced the following attachments:

- Agenda Item E.1.a, Attachment 1: 2012 Pacific Halibut Catch Sharing Plan for Area 2A.
- Agenda Item E.1.a, Attachment 2: Fall 2012 Newsletter Excerpt.
- Agenda Item E.1.a, Supplemental Attachment 3: IPHC News Release, October 9, 2012, Changes to the IPHC Interim and Annual Meetings.
- Agenda Item E.1.a, Supplemental Attachment 4: IPHC Information Bulletin #70, New Format for IPHC Staff Harvest Advice.

E.1.b Reports and Comments of Advisory Bodies and Management Entities

Mr. Chuck Tracy noted Agenda Item E.1.b, NMFS Report: Report on the 2012 Pacific Halibut Fisheries in Area 2A (for informational purposes).

Mr. Pat Pattillo referred to Agenda Item E.1.b, WDFW Report: Washington Department of Fish and Wildlife Report on Proposed Changes to the Catch Sharing Plan and 2013 Annual Regulations (he deferred to the State of Oregon, since the WDFW Report was identical with respect to the Columbia River sub area proposal).

Ms. Gway Kirchner presented Agenda Item E.1.b, ODFW Report: Oregon Department of Fish and Wildlife Report on Proposed Changes to the Pacific Halibut Catch Sharing Plan for the 2013 Fishery.

Mr. Chuck Tracy summarized Agenda Item E.1.b, Supplemental IPHC Report 1: Pacific Halibut Management Catch Sharing Plan and Agenda Item E.1.b, Supplemental SAS Report.

Mr. John Holloway presented Agenda Item E.1.b, Supplemental GAP Report.

E.1.c Public Comment

Mr. Bob Alverson, Fishing Vessel Owner's Association, Seattle, Washington.

E.1.d Council Action: Adopt Final Proposed Changes to the 2013 Pacific Halibut Catch Sharing Plan and Annual Fishing Regulations (11/3/2012; 11:23 a.m.)

Ms. Kirchner asked when the regulations to open the salmon troll and limited entry sablefish fishery to incidental halibut retention should be implemented to accommodate necessary licensing provisions and public notice. Mr. Tracy replied that only the salmon troll retention date change in the Catch Sharing Plan (CSP) was scheduled for action, but the process for setting landing restrictions in both fisheries normally requires a two-meeting process in March and April. Since that would preclude opening either fishery on April 1, 2013, and because there may be license application deadline issues for International Pacific Halibut Commission (IPHC), it may be advisable to delay implementation of an April 1 start date until 2014, and use the March and April 2013 process to set landing restrictions for April 2014. If it becomes apparent that the landing restrictions need to be modified after the 2014 IPHC annual meeting, the Council could recommend inseason action at its March 2014 meeting.

Ms. Vojkovich noted that California would not be able to take advantage of the earlier opening date, as commercial troll fisheries do not open before May 1.

Ms. Kirchner moved Motion 4 that the Council adopt changes to the CSP as found in Agenda Item E.1.b, ODFW Report. Mr. Feldner seconded the motion.

Ms. Kirchner stated the proposals would allow more access to the Columbia River subarea allocation and prolong the fishery in the Central Coast Subarea, particularly in the event of a reduced total allowable catch (TAC), as expected in 2013. The opening date for the salmon troll fishery allows utilization of halibut during open troll fisheries.

Motion 4 carried unanimously.

[Agenda item concluded at 11:35 a.m. The Council broke for lunch and reconvened for Closed Executive Session at 1:30 p.m. Open Session to continue the following morning]

Closed Executive Session (1:30 p.m.)

[The Council held closed session to discuss personnel and litigation matters.]

F. Administrative Matters

F.1 Approval of Council Meeting Minutes (Cancelled)

F.2 Fiscal Matters (11/7/2012; 3:08 p.m.)

F.2.a Agenda Item Overview

Mr. Chuck Tracy Presented the Agenda Item Overview.

F.2.b Budget Committee Report

Mr. Dave Ortmann presented Agenda Item F.2.b, Supplemental Budget Committee Report.

F.2.c Reports and Comments of Advisory Bodies and Management Entities

None.

F.2.d Public Comment

None.

F.2.e Council Action: Consider Budget Committee Recommendations

Ms. Lowman moved Motion 20 to approve the recommendations of the Budget Committee as shown in Agenda Item F.2.b, Supplemental Budget Committee Report. Ms. Kirchner seconded the motion.

Motion 20 passed unanimously.

F.3 Membership Appointments and Council Operating Procedures (11/7/2012; 3:16 p.m.)

F.3.a Agenda Item Overview

Mr. Chuck Tracy presented the Agenda Item Overview and summarized the following attachments:

- Agenda Item F.3.a, Attachment 1: Letter from the Quinault Indian Nation requesting a tribal seat on the CPSMT and nominating Mr. Alan Sarich to fill that seat.
- Agenda Item F.3.a, Attachment 2: Complete Listing of Nominations for the 2013-2015 Advisory Body Term.
- Agenda Item F.3.a, Supplemental Attachment 3: Nominations or Support Letters for Advisory Body Members Received after Initial Deadline (10/11/12).

F.3.b Reports and Comments of Advisory Bodies and Management Entities

None.

F.3.c Public Comment

None.

F.3.d Council Action: Consider Changes to Council Operating Procedures and Appointments to Advisory Bodies and Nominees for the 2013-2015 Term

Mr. Wolford confirmed the appointment of Ms. Lorna Wargo as Vice-Chair of the CPSMT.

Ms. Vojkovich moved Motion 21 for Council staff to incorporate the changes from Council Action under Agenda Item G.2 for inclusion in the Council Operating Procedures (COPs) as Procedure 23. Mr. Crabbe seconded the motion.

Motion 21 carried unanimously.

Mr. Sones moved Motion 22 that the Council modify COP 3 to add a tribal seat to the Coastal Pelagic Species Management Team, and to appoint Mr. Alan Sarich to fill that seat. Mr. Pollard seconded the motion.

Motion 22 carried unanimously.

Ms. Vojkovich moved, and Mr. Brizendine seconded, Motion 23 that the Council appoint the following people to the Coastal Pelagic Species Advisory Subpanel for the 2013-2015 term:

California Commercial: Mr. David Haworth, Ms. Terry Hoinsky, and Mr. Nick Jurlin

Oregon Commercial: Mr. Eugene Law

Washington Commercial: Mr. Robert Zuanich

California Processor: Ms. Diane Pleschner-Steele

Oregon Processor: Mr. Mike Okoniewski

Washington Processor: Mr. Richard Carroll

California Sport/Charter: CPT Paul Strasser

Conservation: Ms. Sarah McTee

Motion 23 carried unanimously.

Ms. Kirchner moved, and Ms. Lowman seconded, Motion 24 that the Council appoint the following people to the Ecosystem Advisory Subpanel for the 2013-2015 term:

California: Ms. Kathy Fosmark, Mr. Donald Maruska, to leave the third seat vacant

Oregon: Mr. Ben Enticknap, Mr. Scott McMullen, and Mr. Frank Warrens

Washington: Mr. Paul Dye, Dr. Terrie Klinger, and Mr. Nate Stone.

Motion 24 carried unanimously.

Mr. Pollard moved, and Mr. Sones seconded, Motion 25 that the Council modify COP 2 to add a second at-large trawl seat to the Groundfish Advisory Subpanel.

Motion 25 carried unanimously.

Mr. Pollard moved, and Ms. Kirchner seconded, Motion 26 that the Council appoint the following people to the Groundfish Advisory Subpanel for the 2013-2015 term:

Fixed Gear At-Large: Mr. Bob Alverson, Ms. Michele Longo-Eder, and Mr. Gerry Richter

Bottom Trawl: Mr. Tommy Ancona

Mid-Water Trawl: Ms. Heather Mann

Trawl At-Large: Mr. Brent Paine and Mr. Kevin Dunn

Open Access South of Cape Mendocino: Mr. Daniel Platt

Open Access North of Cape Mendocino: Mr. Jeffery Miles

Processors at-Large: Ms. Susan Chambers and Mr. Tom Libby

At-Sea Processor: Mr. Dan Waldeck

California Charter South of Point Conception: Mr. Louis Zimm

California Charter North of Point Conception: Mr. Bob Ingles

Oregon Charter: Mr. Wayne Butler

Washington Charter: Mr. Mark Cedergreen

Sport Fisheries at-Large: Mr. John Holloway, Mr. Dave Seiler, and Mr. Tom Marking

Conservation: Mr. Shems Jud

Tribal: Mr. Steve Joner

Motion 26 carried unanimously.

Ms. Vojkovich moved, and Mr. Brizendine seconded, Motion 27 that the Council appoint the following people to the Highly Migratory Species Advisory Subpanel for the 2013-2015 term:

Commercial Troll: Mr. Wayne Heikkila

Commercial Purse Seine: Mr. August Felando

Commercial Gillnet: Mr. Steve Fosmark

Commercial Fisheries at-Large: Mr. Pete Dupuy, Mr. Doug Fricke, and Mr. William Sutton

Processor South of Cape Mendocino: Mr. Steve Foltz

Processor North of Cape Mendocino: Mr. Pierre Marchand
California Charter: Mr. Mike Thompson
Washington/Oregon Charter: Ms. Linda Buell
Private Sport: Mr. Bob Osborne
Conservation: Mr. Charles Farwell
Public At-Large: Ms. Pamela Tom

Motion 27 carried unanimously.

Mr. Myer moved, and Mr. Feldner seconded, Motion 28 that the Council appoint the following people to the Salmon Advisory Subpanel for the 2013-2015 term:

California Troll: Mr. Aaron Newman
Oregon Troll: Mr. Paul Heikkila
Washington Troll: Mr. Jim Olson
Commercial Gillnet: Mr. Kent Martin
Processor: Mr. Gerald Reinholdt
California Charter: Mr. Craig Stone
Oregon Charter: Mr. Mike Sorenson
Washington Charter: Mr. Butch Smith
California Sport: Mr. Marc Gorelnik
Oregon Sport: Mr. Richard Heap
Washington Sport: Mr. Steve Watrous
Idaho Sport: Dr. Richard Scully
Washington Coast Tribal: Vacant
California Tribal: Mr. Dave Hillemeier
Conservation: Mr. Jim Hie

Motion 28 carried unanimously.

Ms. Kirchner moved, and Mr. Feldner seconded, Motion 29 that the Council appoint the following people to the Habitat Committee for the 2013-2015 term:

Commercial Fishery: Mr. Joel Kawahara
Sport Fishery: Ms. Liz Hamilton
Conservation: Dr. Doug DeHart
Northwest or Columbia River Tribal: Vacant
California Tribal: Mr. Mike Orcutt
Public At-Large: Mr. Steve Scheiblaue

Motion 29 carried unanimously.

Mr. Lockhart moved, and Ms. Lowman seconded, Motion 30 that the Council appoint the following people to the Scientific and Statistical Committee At-Large seats for the 2013-2015 term:

Dr. Vladlena Gertseva, Dr. Selina Heppell, Dr. Daniel Huppert, Mr. Tom Jagielo, Dr. Todd Lee, Dr. André Punt, and Dr. William Satterthwaite.

Motion 30 carried unanimously.

F.4 Future Council Meeting Agenda and Workload Planning (11/7/2012; 3:39 p.m.)

F.4.a Agenda Item Overview

Dr. McIsaac presented the Agenda Item Overview and summarized the following attachments:

- Agenda Item F.4.a, Attachment 1: Pacific Council Workload Planning: Preliminary Year-at-a-Glance Summary.
- Agenda Item F.4.a, Attachment 2: Preliminary Proposed Council Meeting Agenda, March 5-11, 2013 in Tacoma, Washington,
- Agenda Item F.4.a, Supplemental Attachment 3: Pacific Council Workload Planning: Year-at-a-Glance Summary.
- Agenda Item F.4.a, Supplemental Attachment 4: Proposed Council Meeting Agenda, March 5-11, 2013 in Tacoma, Washington, with updates reflective of the action taken under Agenda Item I.5.

F.4.b Reports and Comments of Advisory Bodies and Management Entities

Mr. Chuck Tracy read the following reports into the record:

- Agenda Item F.4.b, CPSMT Report: Workshop to Re-Evaluate Parameters of the Harvest Control Rule for Pacific Sardine.
- Agenda Item F.4.b, Supplemental SSC Report.
- Agenda Item F.4.b, Supplemental CPSMT Report 2.
- Agenda Item F.4.b, Supplemental CPSAS Report.
- Agenda Item F.4.b, Supplemental GMT Report.

Mr. Gerry Richter presented Agenda Item F.4.b, Supplemental GAP Report.

F.4.c Public Comment

Mr. Ben Enticknap, Oceana, Portland, Oregon; presented Agenda Item F.4.c, Public Comment.

Mr. Steve Marx, PEW Environmental Group, Portland, Oregon; presented Agenda Item F.4.c, Public Comment 2: PEW Environmental Group.

F.4.d Council Action: Council Discussion and Guidance on Future Meeting Agenda and Workload Planning (11/7/2012; 4:39 p.m.)

Dr. McIsaac provided information for the planning of agenda items for 2013.

Ms. Vojkovich asked if a change in the COP was necessary to change the sardine and mackerel stock assessment schedule. Dr. McIsaac replied the COPs would not require changing, but the terms of reference for the sardine stock assessment was just approved by the Council as part of a three-meeting process, and they would need to be revised to change the 2013 sardine assessment from an update to a full assessment by June 2013.

Mr. Crabbe asked if additional information from the sardine harvest parameter workshop could be incorporated into a full assessment in 2013. Dr. McIsaac replied the workshop is focused on the harvest control rule and not the stock assessment, so it is unlikely the workshop would affect

the assessment. Mr. Josh Lindsay confirmed that the environmental parameters that come into play for the F_{MSY} calculations do not affect the stock assessment.

Mr. Lockhart asked if the groundfish barotrauma item in March could be switched for another topic in April. Dr. McIsaac replied that the Data Moderate Stock Assessment item was a possibility.

Ms. Vojkovich recommended a Coastal Pelagic Species Methodology Review Planning agenda item in March or April, similar to the salmon and groundfish processes.

Ms. Vojkovich supported a full sardine stock assessment in 2013. Mr. Crabbe responded that he would also support a full assessment, but only if additional necessary information is available.

Dr. McIsaac suggested three approaches to the sardine workshop and management issues. The first was a two-year process involving a full management strategy evaluation (MSE) and could include other CPS like mackerel. The second would only deal with the temperature parameter, as recommended by the CPSMT, that could be accomplished quickly. The third would review the temperature parameter and also take a hard look at cut-offs and set-asides.

Mr. Crabbe supported a step-wise approach, as proposed by the SSC, so subsequent issues can build off the previous results. Ms. Vojkovich replied that the entirety of the harvest control rule should be examined as part of the workshop process.

Ms. Vojkovich suggested the SSC issues should be addressed in whatever time frame was necessary, but there were some immediate priorities to be addressed in the workshop. Dr. McIsaac suggested the Council staff initiate the workshop terms of reference process and include the temperature parameter issue and as much of the other control rule issues as possible. The rest of the SSC issues would follow on the results of the workshop process. The Council concurred.

Ms. Vojkovich recommended the Council plan on addressing the limited entry fixed gear ownership-and-control issue, reviewing the sablefish tier system, and possibly instituting a similar tier program for the Limited Entry daily trip limit (DTL) and open access fisheries. Ms. Kirchner agreed with Ms. Vojkovich and recommended adding gear switching, and putting those issues on the agenda of the Groundfish Allocation Committee.

Mr. Tracy asked if electronic monitoring would be assigned to the Groundfish Management Team (GMT). Ms. Vojkovich replied no, that a workshop would be tasked with that issue.

G. Coastal Pelagic Species Management

G.1 National Marine Fisheries Report (11/4/2012; 8:07 a.m.)

G.1.a Agenda Item Overview

Mr. Kerry Griffin provided the Agenda Item Overview.

G.1.b Regulatory Activities

Mr. Mark Helvey provided information on the regulatory activities and presented Agenda Item G.1.b, Supplemental NMFS Report: NFMS Report on Coastal Pelagic Species Regulatory Activities.

G.1.c Fisheries Science Center Activities

Dr. Russ Vetter presented Agenda Item G.1.b, Supplemental SWFSC PowerPoint.

G.1.d Reports and Comments of Advisory Bodies and Management Entities

None.

G.1.e Public Comment

None.

G.1.f Council Discussion (11/4/2012; 8:55 a.m.)

Ms. Culver commented on the Southwest Fisheries Science Center (SWFSC) report and their suggestion for a workshop to discuss the stock assessments. She would like to hear from the Coastal Pelagic Species Management Team (CPSMT) and SSC regarding workshops they are suggesting. Regarding the right survey tools, she is not convinced the acoustic survey is the best tool we should be using for sardine and hake, and we need to determine the role of the aerial survey. We need to determine the management needs and have the science center work with us to determine the best practices.

Mr. Steve Williams commented that, concerning the limitations of the acoustic survey, there is technology out there that may help us in the future. He had thought a few years ago that the aerial survey was good, and now we are hearing that it may not be. We need to take time to sort these issues out.

Ms. Yaremko stated that the commitment of NMFS for fishery independent data with numerous sampling efforts is extremely commendable, and we need to be supportive of the science and defer to NMFS recommendations about ways to be more efficient, e.g., the combined hake and sardine assessment. We encourage NMFS to look into as many new methodologies as possible. However, we do have concern about moving away too quickly from current information and data sources that have served us. It is appropriate to use our staff and Stock Assessment Review (STAR) process to guide us in new paths, but she would encourage the emphasis be on the collection of the data.

Mr. Helvey noted that the aerial survey was different this year, and the window that industry had to get the survey completed for use in the stock assessment updates was very small.

Ms. Culver asked for information about survey plans for 2013, and when that planning occurs and the decisions are made.

Dr. Werner responded that there will be a couple of sessions to plan the joint survey and the first

session would be at the end of this month. We are meeting in Seattle with industry, science centers, and the ship's crew to review information learned from the first survey and to get more improvements for the next survey.

G.2 Exempted Fishing Permit (EFP) Process (11/4/2012; 9:13 a.m.)

G.2.a Agenda Item Overview

Mr. Kerry Griffin provided the Agenda Item Overview and introduced Agenda Item G.2.a, Attachment 1: Draft Council Operating Procedure 23.

[Break from 9:16 a.m. to 9:35 a.m.]

G.2.b Reports and Comments of Advisory Bodies and Management Entities

Dr. Owen Hamel presented Agenda Item G.2.b, Supplemental SSC Report.

Ms. Lorna Wargo presented Agenda Item G.2.b, Supplemental CPMST Report.

Mr. Mike Okoniewski presented Agenda Item G.2.b, Supplemental CPSAS Report.

G.2.c Public Comment

None.

G.2.d Council Action: Adopt Final EFP Process (Council Operating Procedure 23) (11/4/2012; 9:50 a.m.)

Ms. Culver moved, and Mr. Lincoln seconded, Motion 5 to approve the draft COP 23 as described in Agenda Item G.2.b, Supplemental CPSMT Report, with the changes noted by the CPSMT and the following change:

Under November Council meeting, add another bullet:

- Recurring EFP proposals should be evaluated by the CPSMT to ensure they are substantially similar to the previous year's research and reviewed for content by the SSC every few years to determine whether the information produced by the projects prove useful in long-term improvement of fishery management.

Ms. Culver referenced the changes proposed in the CPSMT and SSC reports. She stated her belief that it is prudent to have the scientific review for management.

Ms. Yaremko commented in regard to the review of substantially similar proposals. She did not want to get into the process details of how many meetings the review should be, but rather that the review should focus on the content and if there is any disagreement that the proposals are not substantially similar, we would give it a full review and longer process time.

Mr. Wolford expressed support for the motion, but had concerns about increasing the workload for those submitting a recurring EFP. He suggested that rather than requiring a letter of intent and proposal, that we operate under the letter of intent and not have a proposal.

Ms. Culver said the requirement for a recurring proposal is simply a letter of intent with a copy

of the previous year's EFP attached so we can see what was approved in the prior year. If the proposal is exactly the same of the prior year, then it should be a matter of changing the dates.

Mr. Wolford said that as he reads it, for November, they are to submit a letter of intent and then the final version in April. The final in April is what we take action on.

Ms. Yaremko said she thought the process would be to receive the final application for new EFPs or a letter of intent with the same final EFP at the November meeting. Then, the final review would be at the March meeting, unless there was need for further information from public review. In that case, the final action would be taken in April.

Mr. Wolford moved, and Mr. Crabbe seconded, to amend (Amendment 1) Motion 5 by inserting the following italicized phrase in the paragraph under "March Council Meeting" in Agenda G.2.b, Supplemental CPSMT Report:

Proponents of both new and recurring EFP, *if requested by the Council following its review of the letter of intent*, submit final versions of their proposals.

Mr. Wolford said the intent of his motion is to have the Council review the submitted materials in November to determine the content of the EFP and to see if we need to see the final version in March.

Mr. Williams said he believes the Council needs to see the final information in March to be able to make its recommendation to NMFS.

Mr. Wolford said he believes enough detail would be available in March for the Council to make a decision and we would not necessarily need to look at all the final detail that goes to NMFS for the fisheries science centers to review.

Ms. Culver said she agrees on streamlining the Council process and review as much as possible. However, if changes are recommended in November, she wants to make sure we see that they are incorporated in the final version for review in March. She believes that should be automatic rather than the Council having to request an action. She also believes it is useful for the public to have something they can see in the briefing book. Finally, if the concern is streamlining the Council review where possible, that could be accomplished by inserting Mr. Wolford's language in the last bullet under the "March Meeting. The main thing is that she wants a final version available if the Council or public want to review it.

Mr. Helvey stated that he would like to have the same document approved by NMFS that is recommended by the Council.

Amendment 1 failed (Mr. Sones, Mr. Ortmann, Mr. Pollard, Mr. Myer, Mr. Lincoln, Ms. Culver, Mr. Feldner, Mr. S. Williams, Ms. Yaremko, Mr. Brizendine, and Mr. Helvey voted no).

Motion 5 carried (Mr. Pollard and Mr. Ortmann voted no.)

[Agenda item concluded at 10:27 a.m.]

G.3 Pacific Sardine Stock Assessment Management 2013, Including Preliminary EFP Proposals and Tribal Set-Aside (11/4/2012; 10:27 a.m.)

G.3.a Agenda Item Overview

Mr. Kerry Griffin provided the Agenda Item Overview and introduced the following attachments:

- Agenda Item G.3.a, Attachment 1: Letter from Ed Johnstone, Quinault Fisheries Policy Spokesperson, regarding the Quinault Indian Nation's intent to establish a tribal allocation and to participate in the 2013 Pacific sardine Fishery.
- Agenda Item G.3.a, Attachment 2: Notice of Intent to conduct EFP research, from Northwest Sardine Survey, LLC.
- Agenda Item G.3.a, Attachment 3: Final EFP proposal for 2012 Activities, from Northwest Sardine Survey.
- Agenda Item G.3.a, Attachment 4: West Coast Vancouver Island (WCVI) Swept Area Trawl Survey Methodology.
- Agenda Item G.3.a, Attachment 5: WCVI Methodology Review Panel Report.
- Agenda Item G.3.a, Attachment 6: Northwest Sardine Survey – Sampling Results in 2012.

G.3.b Survey and Assessment Report

Dr. Kevin Hill presented Agenda Item G.3.b, Supplemental SWFSC PowerPoint, which summarized the following documents:

- Agenda Item G.3.b, Assessment Report: *Executive Summary, Assessment of the Pacific Sardine Resource in 2012 for U.S. Management in 2013.*
- Agenda Item G.3.b, Supplemental Assessment Report 2: *Assessment of the Pacific Sardine Resource in 2012 for U.S. Management in 2013.*

G.3.c Reports and Comments of Advisory Bodies and Management Entities

Dr. Owen Hamel presented Agenda Item G.3.c, Supplemental SSC Report.

Ms. Lorna Wargo presented Agenda Item G.3.c, Supplemental CPSMT Report.

Mr. Mike Okoniewski presented Agenda Item G.3.c, Supplemental CPSAS Report.

G.3.d Public Comment

Mr. Geoff Shester, Oceana, Monterey, California; presented Agenda Item G.3.d, Supplemental Public Comment 4 (PowerPoint) and pointed the Council to Oceana's written comment in Agenda Item G.3.d, Supplemental Public Comment 2.

Mr. Mike Okoniewski, Northwest Sardine Survey (NWSS), Woodland, Washington.

Mr. Seth Atkinson, National Resources Defense Council, San Francisco, California.

Ms. Diane Pleschner-Steele, California Wetfish Producers Association, Buellton, California.

Agenda Item G.3.d, Public Comment.

Agenda Item G.3.d, Supplemental Public Comment 2.

Agenda Item G.3.d, Supplemental Public Comment 3.

[Break from 2:00 p.m. to 2:18 p.m.]

G.3.e Council Action: Approve West Coast Vancouver Island Survey for use in Future Stock Assessments; Review any Preliminary Proposal or Notice of Intent for EFPs in 2013; Adopt Final Pacific Sardine Stock Assessment and 2013 Management Measures (11/4/2012; 2:18 p.m.)

Ms. Yaremko moved, and Mr. Brizendine seconded, Motion 6 that the Council approve the stock assessment and overfishing limit (OFL) presented in the stock assessment report (Agenda Item G.3.b, Assessment Report 1 and Supplemental Assessment Report 2) and OFL limit as depicted in Agenda Item G.3.c, Supplemental CPSMT Report in Table 1, with the OFL shown under the “harvest formula” at 103,284 mt.

Ms. Yaremko stated her opinion that the authors of the update assessment had appropriately evaluated the data and made sure the parameters were updated correctly. They brought some information to light and noted that, overall, the indices are trending downward for this resource. There are not a lot of new fish coming into the population, and the uptick we saw in 2011 is not available in this assessment.

Motion 6 carried unanimously.

Ms. Yaremko moved, and Mr. Crabbe seconded, Motion 7 that the Council select a P^* of 0.4 to correspond to an acceptable biological catch (ABC) of 94,281 mt as identified in Agenda Item G.3.c, Supplemental CPSMT Report (Table 1).

Ms. Yaremko stated that the previous full assessment had used a P^* of 0.4 and she did not see any rationale to indicate this update assessment is more or less risky for us in terms of overfishing. The trends are down, but the time and place to consider a change in P^* is after another full assessment when we can better gauge our certainty about risk. Additionally, the SSC view is that the biomass estimate is biased toward the low end which provides a built in caution for our estimate.

Motion 7 carried unanimously.

Ms. Yaremko moved, and Mr. Crabbe seconded, Motion 8 to establish an ACL equal to the ABC of 94,281 mt, as shown in Table 1 of Agenda Item G.3.b, Supplemental CPSMT Report; and to use the set-aside requests as shown in Table 2 of the CPSMT Report (Agenda Item G.3.b, Supplemental CPSMT Report) to reflect a tribal set-aside (9,000 mt) and an EFP set-aside (3,000 mt), recognizing that tribal negotiations will determine the final number. If the final number for the tribal set-aside is different, the allocations to be distributed as outlined in Table 2 of G.3.b, Supplemental CPSMT Report.

Mr. Griffin asked if the intent is to set the harvest guideline (HG) and acceptable catch target (ACT). Ms. Yaremko stated it was the intent that the ACT shall be equal to the HG of 66,495 mt.

Ms. Yaremko stated that the teams have done a lot of work to establish the final numbers for the tribal fishery, and it has worked well. She noted the HG and ACT are more precautionary

guidelines and will be looked at in the future. She is comfortable that, for this period, the HG is precautionary and is risk-adverse.

Mr. S. Williams spoke in support of the motion, stating that the scientists have indicated the biomass estimates are biased low and are within the acceptable levels. The HG is conservative and will have an impact on the industry by reducing harvest.

Ms. Culver spoke in support of the motion, but noted that use of the HG/ACT rather than an ABC/ACL was different than with other stocks, and it was not as clear to her in ascertaining the level of scientific uncertainty and risk to the stock. She would like to discuss this further in the workshops. She is not looking for a decision table to determine it, but it would be helpful if we had a decision table in the future to capture the management uncertainty that goes into that HG and a discussion on how it could relate to the ABC.

Mr. Wolford spoke in support of the motion. He noted that the discussion and varying opinions, relative to the stock assessment and, in particular, the comments by Mr. Shester and Mr. Atkinson, have certainly been heard by the SSC and the CPSMT, and do support the motion that we are making here.

Mr. Sones said the Quinault Nation has indicated that they will reduce their number down from 9,000 mt and establishment of the ACT and HG will help them to determine what that number should be.

Motion 8 carried unanimously.

Ms. Yaremko moved Motion 9 that the Council adopt the incidental allowance of 40 percent as shown in Agenda Item G.3.b, Supplemental CPSAS Report; and the incidental set-asides (1,000 mt) shown in Table 2 of Agenda Item G.3.b, Supplemental CPSMT Report.

Mr. Crabbe asked, prior to the second, if this includes the rollover provision.

Mr. Griffin clarified that inclusive in the overall motions are the same inseason rollover provisions as enacted in 2012.

Motion 9 was seconded by Mr. Brizendine.

Ms. Yaremko said these measures have worked well for management for some time and have kept harvest within the allocation limits.

Ms. Culver expressed concern about the 40 percent per incidental landing allowance. She thought industry had requested a 30 percent rate to help ensure the 1,000 mt incidental set-aside isn't taken too quickly, and didn't know if that had been adequately discussed.

Mr. Crabbe appreciated her concern, but indicated that the CPSAS had discussed the issue and were comfortable with the 40 percent.

Motion 9 carried unanimously.

Ms. Yaremko moved, and Mr. Crabbe seconded, Motion 10 for the Council to approve the West Coast Vancouver Island Survey (WCVIS) for use in future stock assessments.

Ms. Yaremko said she appreciated the report provided by the CPSMT and the encouraging words for potential use of the WCVIS in management. She did not want to put additional constraints on the use of the survey, and noted the SSC said it would need more data before it could be included. In the past, the Stock Assessment Team (STAT) has done a good job of evaluating when the index can appropriately be included in the assessment. They should have the flexibility to determine its use.

Ms. Culver and Mr. S. Williams noted that the SSC statement recommended the survey be evaluated further by the STAT and STAR Panel to determine if it should be used.

Ms. Yaremko clarified that her motion was not meant to require the use of the WCVIS, but to allow the opportunity to use it, if so indicated by the STAT and STAR Panel reviews.

Dr. Hanson moved, and Mr. Ortmann seconded, to amend Motion 10 (Amendment 1) to change the wording by inserting “as described in the Supplemental SSC Report” after the word “assessment.”

Ms. Yaremko noted that the SSC report, at the end of the third paragraph on page 2, stated that a time series derived from several more years of standardized survey methodology is necessary before the survey may be useful for management. That indicates the SSC is not endorsing inclusion of the WCVIS until more data may make it appropriate, and that brings up a question of timing regarding the next assessment. She noted that there weren't a fixed number of years included in the SSC statement.

Mr. Griffin noted the CPS Terms of Reference states that the Council needs to approve a new methodology before it can be used for assessment.

In response to questions concerning the SSC statement, Dr. Owen Hamel, SSC Chair, stated the STAT and STAR Panel could include use of the WCVIS before more years of data are gathered, if they believed it to be appropriate. That determination would be subject to SSC review, and Dr. Hamel did not think the SSC would be likely to approve it until there are several more years of data.

Mr. S. Williams noted the language in the Supplemental SSC Report referenced by the proposed amendment states that after several more years of data, the survey “may” be useful for management. This seems like it provides flexibility to use or not use the WCVIS in the next assessment cycle, whenever that occurs.

Ms. Yaremko said she believes the amendment changed her intent to allow consideration and use of the WCVIS in the next assessment if the STAT and STAR Panel find it relevant with fewer than four or more years of data.

Dr. Hanson reminded the Council that the amendment does not give a specific number of years, and isn't prescriptive. The SSC said it is unlikely, but if something changes, nothing prevents its consideration and use.

Amendment 1 to Motion 10 carried (Ms. Yaremko voted no).

Motion 10, as amended, carried unanimously.

In response to a question, Dr. McIsaac stated that this agenda item does not include action on determining the next assessment cycle for sardine, and that issue should be planned for in Agenda Item F.4 for future agenda planning. The current terms of reference speaks to an update assessment.

[Break from 3:17 p.m. to 3:26 p.m.]

H. Enforcement Issues

H.1 Current Enforcement Issues (11/4/2012; 3:26 p.m.)

H.1.a Agenda Item Overview

Mr. Jim Seger presented the Agenda Item Overview and introduced Agenda Item H.1.a, Attachment 1: December 14, 2011 letter to OLE from Executive Director Don McIsaac on Enforcement Priorities for 2012.

H.1.b Federal Fishery Enforcement Priorities Report

Ms. Martina Sagapolu and Mr. Bill Giles presented Agenda Item H.1.b, NMFS Report.

H.1.c Reports and Comments of Advisory Bodies and Management Entities

Lt. Dave Anderson presented Agenda Item H.1.c, Supplemental EC Report. There were extensive questions about the vessel monitoring system (VMS) declaration issue identified in the report. The issue will be taken up under work planning.

Mr. Tim Roth presented Agenda item H.1.c, Supplemental HC Report.

Mr. John Holloway presented Agenda Item H.1.c, Supplemental GAP Report.

Mr. Mike Okoniewski presented Agenda Item H.1.c, Supplemental CPSAS Report.

H.1.d Public Comment

None.

H.1.e Council Action: Provide Comments on Regional Enforcement Priorities and Guidance, as needed (11/4/2012; 3:50 p.m.)

Mr. Steve Williams agreed with the Enforcement Consultant's (EC) recommendations to refresh and resubmit the letter used last year. The issue of the uniform patrol officer covered in last year's letter will require some adjustments, as a response to that has already been made. Mr. Williams commented further on the importance of the state-Federal working relationship for

successful enforcement efforts. This requires coordination, communication, and adequate funding. Funding is a high priority, and without adequate enforcement we don't have a reasonable management strategy.

Ms. Culver concurred with Mr. Williams. She stressed the importance of the work that state enforcement does in support of Council-managed fisheries. This work ensures the regulations are successful and accomplish the intended objectives. Reliance on the Joint Enforcement Agreement (JEA) has only increased over time as the state and Federal budgets have been reduced. The Washington Department of Fish and Wildlife (WDFW) enforcement force is a fraction of what it was 20 years ago. They are trying to rebuild their enforcement capacity while regulations are becoming more complex, as a result of efforts to maximize fishing opportunity. She is frequently reminded that closed fisheries are easier to enforce. We rely on enforcement heavily and rely on JEA's to remain in place with the federal funding.

Mr. Roth agreed with refreshing the letter, and commented that the letter addresses the comments of the Habitat Committee.

I. Groundfish Management

I.1 National Marine Fisheries Service Report (11/4/2012; 3:56 p.m.)

I.1.a Agenda Item Overview

Ms. Kelly Ames provided the Agenda Item Overview.

I.1.b Regulatory Activities

Mr. Frank Lockhart presented:

- Agenda Item I.1.b, Attachment 1: Federal Register Notices Published since the Last Council Meeting (electronic notices are provided on the Region's website and through email subscription).
- Agenda Item I.1.b, Attachment 2: Estimated Discard and Catch of Groundfish Species in the 2011 US West Coast Fisheries.

Mr. Lockhart said renewal notices for limited entry permits, quota share accounts, and vessel accounts have been mailed. Renewals must be completed by November 30.

Mr. Lockhart said NMFS reapportioned 28,000 mt of tribal Pacific whiting to the non-tribal sectors on October 4. It took some time to populate the individual accounts with the reapportioned fish because additional programming was required. Mr. Lockhart said this reapportionment was the largest ever done by the agency and no further reapportionments are anticipated this year.

Mr. Dale Myer thanked Mr. Lockhart and the agency for ensuring the reapportionment was done in a timely manner. Mr. Lockhart acknowledged the contributions of the Fishery Science Center and the Region.

Mr. Lockhart noted that the 2013-2014 proposed rule has not been published, but it is anticipated

shortly. The regulations should be in place on January 1, but there are no guarantees.

Mr. Lockhart updated the Council on the progress of the groundfish fishery consultation on endangered species being conducted by the USFWS (seabirds, otters, and bull trout) and the NMFS Protected Resources Division (marine mammals, sea turtles, green sturgeon, and eulachon). He anticipates both consultations will be completed by the end of the year. Mr. Lockhart noted that one of the reasonable-and-prudent measures from the USFWS requires streamer lines for fixed-gear vessels larger than 55 feet in length. This matter is on the Council's year-at-a-glance schedule for 2013. In order to have a smooth transition to the new requirement, a grant has been secured with PSMFC to manufacture and distribute streamer lines free of charge to the industry. The agency is working with Washington Sea Grant on outreach. The consultation is also exploring a similar requirement for vessels less than 55 feet in length. The Northwest Fisheries Science Center is working with Washington Sea Grant to design streamer lines for the smaller vessels.

Mr. Lockhart said there is another reasonable and prudent measure in the consultations that involves establishing a Pacific Coast Groundfish Endangered Species Workgroup responsible to monitor interactions with listed species and help the agency determine whether consultations should be reinitiated. The workgroup could also conduct analysis and make recommendations. In September, the Council discussed whether to make the workgroup an official Council committee. Mr. Lockhart said an official Council committee would not be subject to the Federal Advisory Committee Act restrictions, which could provide efficiencies.

Dr. Don McIsaac asked Mr. Lockhart to speak to the scientific research permit (SRP) that was issued in California. Mr. Lockhart explained the difference between an SRP and an exempted fishing permit (EFP). The Council has an established process for reviewing and recommending EFPs. EFPs exempt the applicants, which are typically fishermen or non-governmental organizations, from specific regulations. An SRP is a different permit issued by the Regions for conducting scientific research directed by NMFS with vessels that carry NMFS employees or contractors. There is no Council process associated with issuing SRPs. During the harvest specifications and management measures process, the Regions estimate research impacts, which are deducted from the annual catch limits (ACL). Mr. Lockhart said when an application for an SRP is received, the agency evaluates the research impacts relative to the amounts anticipated during the harvest specifications process. If the sum of all research activities does not exceed the set-aside amounts anticipated, and the project is consistent with the Endangered Species Act provisions, etc., the SRP is issued. Generally, there are 8-10 SRPs issued each year.

Mr. Lockhart said the SRP of particular interest was issued to Dr. Sogard, Dr. Field, and Dr. Starr for rockfish research in the rockfish conservation areas (RCA) in central California. A California Sea Grant article may have given the impression that the project was larger than it actually is. There are several collaborators in the project and five vessels. They are comparing catches inside and outside the RCA, similar to the work done by the CDFG in the 1980s and 1990s. Mr. Lockhart said the researchers are also examining the differences in fecundity between the two areas. So far, the research vessels have caught a couple thousand fish, mostly yellowtail and chilipepper rockfish. There have been a few other species captured. To date, the overfished species count is: 2 yelloweye, 161 canary, 61 widow, 1 cowcod, and 19 bocaccio.

All overfished species have been released using descending devices, and presumably some of those fish will survive. Mr. Lockhart concluded that the SRP is impacting a small number of fish, including overfished species, and it is within the preseason deductions.

Mr. Lockhart said this SRP did raise a few issues, which the Region will address the next time the SRPs are issued. First, the agency will coordinate with the Office of Law Enforcement both at the state and Federal level. He said the Region will also request that the individuals responsible for the SRP notify enforcement when the vessels are actively conducting research. The agency has also recognized the need to communicate with the states when new SRPs are issued, such that any potential conflicts can be identified and addressed.

Ms. Dorothy Lowman commented that the SRP in southern California sounds informative. She asked Mr. Lockhart to further clarify the timeline and process for issuing SRPs. Mr. Lockhart said the Region tries to anticipate research projects; however, some new projects emerge during the year. The Region does their best to accommodate the research projects within the existing constraints. Ms. Lowman also requested that the agency inform the Council of the SRPs. Mr. Lockhart said that all SRPs report the impacts to the Regions and he thought it would be possible to summarize that information to the Council.

Ms. Marci Yaremko thanked Mr. Lockhart for the SRP information and asked if the California project was continuing in 2013-2014 and if the impacts were included in the ACL deductions. Mr. Lockhart said we will evaluate the project when/if we receive the research permit renewal. At this time, he cannot say whether the impacts could be accommodated within the proposed 2013-2014 ACL deductions.

Ms. Yaremko asked if the agency would limit the researchers to the level of impacts experienced in 2012. Mr. Lockhart said some research should not be held to caps because the research is so valuable. For example, in some years, canary rockfish impacts in the Fishery Science Center's bottom trawl survey have resulted in adjustments to fishery management measures. The agency does request that the applicants contact the agency if the impacts are greater than anticipated. The agency can also rescind the SRP if problems arise. Mr. Lockhart said that he is not opposed to working with the researchers to see if there is a way to minimize impacts without sacrificing the study results.

Ms. Yaremko asked about the target species, noting that the majority of the catch was yellowtail and chilipepper (midwater species), yet the intent appears to be bottom fish. Mr. Lockhart said he is unaware of this project detail.

I.1.c Fisheries Science Center Activities

Dr. McIsaac said that at the September Council meeting there was an assignment to Council staff to create a data moderate workgroup responsible for developing materials for Council consideration in April 2013, well before the data moderate assessments come to the Council. The members of the workgroup include Dr. Jim Hastie, Dr. Owen Hamel, Dr. Vladlena Gertseva, Dr. Jason Cope, Dr. EJ Dick, Dr. Alec McCall, Dr. Martin Dorn, Dr. Andre Punt, Ms. Kelly Ames, and Mr. John DeVore. There has not yet been a recommendation from the Northwest Region and the states.

Dr. John Stein and Dr. Michelle McClure presented Agenda Item I.1.c, Supplemental NWFSC PowerPoint.

I.1.d Reports and Comments of Advisory Bodies and Management Entities

Dr. Owen Hamel presented Agenda Item I.1.c, Supplemental SSC Report.

I.1.e Public Comment

Mr. Bob Alverson, Fishing Vessel Owners Association, Seattle, Washington.

Mr. Seth Atkinson, Natural Resources Defense Council, San Francisco, California.

Mr. Bob Ingles, CCFA, Newark, California.

Mr. Wayne Butler, Prowler Charters, Bandon, Oregon.

I.1.f Council Discussion.

Ms. Michele Culver asked if Mr. Alverson's request to explore the ownership and control language for the limited entry sablefish tier program could be done under Agenda Item F.4, Future Meeting Planning. Mr. Lockhart said yes.

Regarding the 2011 Groundfish Mortality Report, Ms. Yaremko wants to ensure stock assessors begin their analysis with this report instead of landing databases, etc. She thanked Mr. Ingles for his testimony on the SRPs and recommended that NMFS keep the Council informed about the research projects goals and objectives. She hopes that the Council will have the opportunity to provide feedback on the project design, which should improve the efficiency of the work in the future.

Dr. McIsaac asked Ms. Yaremko to clarify her comments on the 2011 Groundfish Mortality Report. He noted that the report uses the higher discard mortality rate for longnose skate and dogfish, instead of the rates recommended by the SSC. The PowerPoint presentation by the Science Center showed both rates. Dr. McIsaac asked which rates should be used in future analysis and stock assessments. Ms. Yaremko would like the differences resolved.

Dr. McIsaac asked if there are any objections to implementing the discard mortality rate recommendations outlined in the SSC report.

Mr. Lockhart requested leaving this agenda item open until the morning so he could have some further internal discussions.

[Council adjourned at 5:09 p.m. and resumed with this agenda item at 8:10 a.m.]

Mr. Lockhart said the agency supports the use of best available science and will develop a plan to resolve this outside of the Council meeting.

Ms. Vojkovich asked if NMFS could provide the list of scientific research projects, descriptions, and impacts by project during the biennial cycle when the set-aside amounts are decided. This would be an improvement over the current process where one number is forwarded by the

agency, which represents multiple projects. Mr. Lockhart concurred.

Ms. Culver asked whether NMFS could put in a deadline for SRP applications; noting that applications received after the deadline may not be accommodated. Mr. Lockhart said he was leery of a deadline approach. He would like to have further discussions with the Science Centers to understand how imposing a deadline would affect their work. He noted that SRPs are not issued if the applications arrive later in the process and there are insufficient impacts to accommodate the research. Mr. Lockhart said that he will work to make the process more transparent, including the possibility of an annual report, as recommended by the Council previously.

Ms. Culver asked the Fishery Science Center to review slide 19 regarding the revised discard mortality rate for spiny dogfish. The slide appears to indicate that the revised rate was applied to the Other Fish Complex, of which dogfish is a component. She asked when the revised 2011 Groundfish Mortality Report would be available.

Mr. Lockhart said that he will work with the Science Center on the revision and the timing, but anticipates that something could be done by the end of the year.

[Council concluded this agenda item at 8:15 a.m.]

I.2 Amendment 24 (Improvements to the Groundfish Management Process) (11/5/2012; 10:49 a.m.)

I.2.a Agenda Item Overview

Dr. Kit Dahl presented the Agenda Item Overview and the following documents:

- Agenda Item I.2.a, Supplemental Staff Overview PowerPoint.
- Agenda Item I.2.a, Attachment 1: Amendment 24 Workgroup Report on Proposed Changes to the Groundfish Biennial Harvest Specifications and Management Measures Process.

Ms. Kelly Ames provided some additional background information to the Council.

I.2.b Reports and Comments of Advisory Bodies and Management Entities

Mr. Corey Niles presented Agenda Item I.2.b, Supplemental GMT Report.

Dr. Owen Hamel presented Agenda Item I.2.b, Supplemental SSC Report.

Mr. Tommy Ancona presented Agenda Item I.2.b, Supplemental GAP Report.

I.2.c Public Comment

Mr. Seth Atkinson, Natural Resources Defense Council, San Francisco, California; introduced Agenda Item I.2.c, Supplemental Public Comment.

Mr. Pete Leipzig, Fisherman's Marketing Association, Eureka, California.

I.2.d Council Action: Adopt Range of Alternatives and Preliminary Preferred Alternative for Public Review (11/5/2012; 2:39 p.m.)

Dr. Dahl summarized the decisions needed at this meeting from the Council.

Dr. McIsaac elaborated on Dr. Dahl's summary. He emphasized the need for the Council to take final action on this at the March 2013 meeting.

Ms. Culver moved, and Ms. Kirchner seconded, Motion 11:

- Adopt the recommendations on page 4 of Agenda Item I.2.b, Supplemental GMT Report, and the recommendation at the top of page 2 of Agenda Item I.2.b, Supplemental GAP Report, with respect to the default procedures for setting ACLs.
- Direct the SSC to develop a range of alternatives and recommendations on how the Council should adjust overfished species rebuilding plans based on new stock assessment information; specifically, establishing appropriate mechanisms to accommodate changes in rebuilding parameters and the appropriate rebuilding parameter the Council should consider adjusting (e.g., T_{TARGET} , SPR harvest rate).

Ms. Culver voiced appreciation for the Amendment 24 Workgroup Report. She thought the Council would benefit from further workgroup input to develop the preliminary preferred alternative. She did not support the workgroup recommendation on establishing default policies and procedures for adjusting ACLs (by specifying a default P^* value, for example), because this would take a lot of time and reduce the Council's flexibility to respond to new information. She also did not support the workgroup's concept with respect to the circumstances for revising rebuilding plans. Instead, the Council should ask the SSC for recommended procedures.

Ms. Vojkovich asked if the motion supports the concept of developing a tier 1 NEPA document as outlined by the workgroup but rejects the idea of default procedures to streamline decision-making. Ms. Culver concurred with this assessment.

In response to a question from Mr. Wolford about the timeframe for developing the tier 1 document, Ms. Culver said that is the subject of a subsequent motion.

Ms. Vojkovich asked if Ms. Culver's recommendation included the revision of COP 9. Ms. Culver responded that the COP would need to be revised in any circumstance where the Council made procedural changes, but the larger question is whether these changes would necessitate an FMP amendment. That question will have to be determined later.

Mr. Crabbe asked if the motion is adopted, would it preclude Council final action in March 2013. Ms. Culver responded no.

Motion 11 carried unanimously.

Ms. Culver moved, and Ms. Kirchner seconded, Motion 12:

- Schedule this issue on the March 2013 Council agenda with the answers to the questions described in the previous motion in hand, giving the Council the ability to take final action in March so that the new process would be available for the Council to follow for the 2015-16 biennial management cycle.

Ms. Culver said these changes should streamline the biennial management process, although

there are some outstanding questions, such as whether the changes can be implemented by a revised COP or an FMP amendment, and the amount of work involved to have the process in place for use in the 2015-16 management cycle. However, even if all elements are not complete, she sees the ability to follow the recommended changes as the best course for the next management cycle.

Ms. Vojkovich asked if the Council would follow the process used for the 2013-14 management cycle if the proposed changes were not implemented.

Mr. Lockhart thought the answer to Ms. Vojkovich's question was probably yes. No matter the process, NMFS and the Council will have to consider the NEPA requirements associated with every action. Thus, it may be necessary to prepare another EIS as was done for the 2013-14 cycle, but that decision will be made at the time. He then noted that the tier 1 document will take a lot of work, but this should simplify addressing NEPA in the future.

Ms. McCall agreed and noted the assistance from the NWR NEPA Coordinator. There are some aspects of NEPA that are agency decisions, such as what constitutes a significant impact for the purpose of NEPA. Therefore, addressing NEPA is not solely under the Council's purview. However, she looks forward to developing a common understanding of the criteria guiding such findings under NEPA.

Ms. Culver asked if Mr. Lockhart's comments conflicted with the intention that the Council will follow the process outlined in the Amendment 24 Workgroup Report for the 2015-16 management cycle. Mr. Lockhart said he wasn't disagreeing with the intent to follow that process, but just cautioning that it will take some time and thought to prepare the tier 1 NEPA document and that NMFS will be involved in that. Ms. Culver noted that the motions put forward did not specify a tier 1 NEPA document covering harvest specifications for 10 years and the Council would certainly like to hear any alternative approaches NMFS might propose.

Motion 12 carried unanimously.

Ms. Culver noted that in public comment there was a request for a workshop on stock rebuilding control rules. She thought that could be incorporated into the direction in Motion 11 for the SSC to develop recommendations on rebuilding plan revision rules.

Ms. Lowman ruminated on the timing of a potential SSC meeting in relation to Council action in March. She emphasized that the Council needs sufficient time to take in any recommendations developed by the SSC. Mr. Wolford noted that the question of the need for an FMP amendment will also depend on the recommendations coming forward.

Dr. Dahl and Dr. McIsaac noted that staff will make every effort to prepare for a Council decision in March 2013.

I.3 Progress Report on Using Descending Devices to Mitigate Barotrauma in Recreational Fisheries (11/5/2012; 3:14 p.m.)

I.3.a Agenda Item Overview

Mr. John DeVore presented the Agenda Item Overview.

I.3.b Reports and Comments of Advisory Bodies and Management Entities

Ms. Heather Reed, Ms. Lynn Mattes, and Mr. John Budrick presented Agenda Item I.3.b, Supplemental GMT PowerPoint (Agenda Item I.3.b, GMT Report: Groundfish Management Team Progress Report on Developing Mortality Rates for Rockfish Released Using Descending Devices).

Dr. Owen Hamel presented Agenda Item I.3.b, Supplemental SSC Report.

Ms. Heather Reed presented Agenda Item I.3.b, Supplemental GMT Report 2.

Mr. Tommy Ancona presented Agenda Item I.3.b, Supplemental GAP Report.

Agenda Item I.3.b, Supplemental RecFIN Technical Committee Letter: Regarding the GMT Progress on Descending Devices for Rockfish Discards.

I.3.c Public Comment

None.

I.3.d Council Action: Provide Guidance on Further Development and Refinement of Information Necessary to Establish Allowable Credits (11/5/2012; 4:31 p.m.)

Ms. Vojkovich moved, and Mr. Crabbe seconded, Motion 13 to adopt the recommendations of the GMT as shown in Agenda Item I.3.b, Supplemental GMT Report 2. Those recommendations are:

1. Have the GMT and an SSC sub-group meet to discuss refinement of the mortality rate estimates at the January GMT meeting.
2. Task the GMT with development of mortality rates for canary rockfish for review at the March Council meeting.
3. Have the states provide a description of their proposed methods for accounting for the proportion of anglers using descending devices for review by the GMT and SSC in time for comments to be included in the March Briefing Book.
4. If mortality rates and methods for applying them are approved, state by state implementation would begin when each state is prepared to do so rather than waiting for all three to be prepared before moving forward.

In addition, ask the GMT to consider buffers as referenced in the SSC Report. One alternative for analysis is to stratify depths as follows: 0-30 fm, 31-59 fm, and greater than 59 fm. Relative to buffers, one option is to use 15 percent for the 0-30 fm depth bin and 30 percent for the 31-59 fm depth bin.

Ms. Vojkovich explained that an SSC-GMT collaborative effort early next year should provide useful results. The GAP and GMT both recommended the inclusion of canary in this initiative, and the GMT remarked there is enough data to determine appropriate mortality rates for canary. The alternative to aggregate depth bins is responsive to the data and provides a simpler

framework for accounting for discard mortality.

Mr. Wolford asked if pooling of information referred to aggregating information for all species or specific species. Ms. Vojkovich explained she was recommending aggregation of depth-based information to determine mortality rates. Mr. Wolford thought there is some reasonably good data on yelloweye, cowcod, and canary. Aggregating data for all species studied does not seem appropriate.

Ms. Culver asked for clarification on the tight timeline between the January GMT meeting and the briefing book deadline for the March Council meeting. She asked if the intent of the motion was to move this timeline. Ms. Vojkovich said the motion did not address a timeline. Ms. Culver thought the first recommendation to have the GMT and the SSC meet in January was a good first step, but she wasn't sure how the process should unfold after that. Ms. Vojkovich thought we should address next steps during the future agenda planning item on Wednesday. Dr. McIsaac responded that was an appropriate process.

Mr. Lincoln asked for clarification on the motion and whether there was intent to offer specific guidance to restrict the analysis to a simplified alternative. Ms. Vojkovich said the intent of the motion was to provide guidance and not be prescriptive.

Motion 13 carried unanimously.

Ms. Vojkovich encouraged continued outreach by the states for anglers to routinely use descending devices. She also encouraged continued research on these species, particularly cowcod.

Ms. Culver agreed that we should encourage the use of descending devices to reduce bycatch mortality, and apply the appropriate mortality rate when accounting for mortalities. She does not like the term "survival credit," and urged the Council to be sensitive to how this is described in future Council meetings so folks will not expect there will necessarily be credits and increased fishing opportunities.

[Council concluded this agenda item at 4:56 p.m. and adjourned for the day.]

I.4 Consideration of Inseason Adjustments (11/6/2012; 8:09 a.m.)

I.4.a Agenda Item Overview

Ms. Kelly Ames provided the Agenda Item Overview.

I.4.b Reports and Comments of Advisory Bodies and Management Entities.

Mr. Frank Lockhart presented Agenda Item I.4.b, Supplemental NMFS Report. He said that on October 11, 2012 the agency issued the 2011 surplus carryover for sablefish (north and south) into the 2012 shorebased individual quota fishery (see [Public Notice NMFS-SEA-12-15](#)). He also noted that the set-aside of minor slope rockfish for the at-sea Pacific whiting fishery (mothership and catcher-processor) has been exceeded. The majority of the catch was comprised of rougheye rockfish. NMFS is not asking the Council to take inseason action, this is just for

information.

Ms. Michele Culver presented information from Agenda Item I.4.b, WDFW Report: Washington Department of Fish and Wildlife Report on Inseason Adjustments for 2013.

Ms. Gway Kirchner presented information in Agenda Item I.4.b, ODFW Report: Oregon Department of Fish and Wildlife Report on Inseason Recreational Fishery Yelloweye Rockfish Impacts.

Dr. Sean Matson presented Agenda Item I.4.b, Supplemental GMT Report.

Mr. Gerry Richter presented Agenda Item I.4.b, Supplemental GAP Report.

I.4.c Public Comment

None.

I.4.d Council Action: Adopt Final Recommendations for Adjustments to 2012 and 2013 Groundfish Fisheries (11/6/2012; 8:46 a.m.)

Ms. Culver moved, and Ms. Kirchner seconded, Motion 14 that the Council adopt the following 2013 inseason adjustments as found in Agenda Item I.4.b, Supplemental GAP Report and Agenda Item I.4.b, WDFW Report:

- Open Access Fixed Gear North of 36° N. Latitude:
 - Alternative 1: Periods 1 through 5: 300 lb. per day, or 1 landing per week of up to 700 lb., not to exceed 1,400 lb per 2 months; Period 6: 300 lb. per day, or 1 landing per week of up to 300 lb., not to exceed 600 lb. per 2 months.
- Limited Entry Fixed Gear North of 36° N. Latitude:
 - Alternative 1 (Low price): 1 landing per week of up to 950 lb, not to exceed 2,850 lb per 2 months.
- The recommended inseason adjustments for the Washington recreational fishery, as shown in the WDFW report, in Marine Areas 3 and 4.

Motion 14 carried unanimously.

[Council concluded this agenda item at 8:49 a.m. and went on break until 9:00 a.m.]

I.5 Trawl Rationalization Trailing Actions and Updates (11/6/2012; 4:08 p.m.)

I.5.a Agenda Item Overview

Mr. Jim Seger presented the Agenda Item Overview and introduced the following:

- Agenda Item I.5.a, Attachment 1: Trailing Actions, Status of Trailing Actions and Calendar.
- Agenda Item I.5.a, Attachment 2: Chafing Gear ES, Chafing Gear Draft Environmental Assessment Executive Summary.
- Agenda Item I.5.a, Attachment 3: Chafing Gear EA, Trawl Rationalization Trailing Actions: Chafing Gear Draft Environmental Assessment.
- Agenda Item I.5.a, Attachment 4: Gear Workshop, Trawl Gear Regulation change Proposals Developed at Trawl Fishery Gear Workshop.
- Agenda Item I.5.a, Attachment 5: Lender Issues, Trawl Rationalization Trailing Actions Issues: Lenders *Draft* Council Decision Analysis Document.

- Agenda Item I.5.a, Attachment 6: Whiting Season, Trawl Rationalization Trailing Actions Issue: Whiting Season and Southern Allocation, *Draft* Council Decision Analysis Document.
- Agenda Item I.5.a, Attachment 7: Widow Reallocation: Trawl Rationalization Trailing Actions Issue: Widow Rockfish QS Reallocation, *Draft* Council Decision Analysis Document.
- Agenda Item I.5.a, Attachment 8: Whiting Carryover. Pacific Whiting Carryover Implementation.
- Agenda Item I.5.a, Attachment 9: Electronic Monitoring, Possible Regulation Amendment Process for Consideration of Electronic Monitoring as a Replacement for the 100% Observer Coverage Requirement.
- Agenda Item I.5.a, Supplemental Attachment 11: Excerpts from the 2006 Biological Opinion on Salmon Regarding the Pacific Fisheries Management Council's Groundfish Management Plan.

Ms. Ames provided information regarding the following documents:

- Agenda Item I.5.b, Supplemental Workshop Report: Summary of the Pacific Whiting Carryover Workshop.
- Agenda Item I.5.b, Supplemental US Advisory Panel Draft Minutes: US Canada Whiting Treaty.
- Agenda Item I.5.a, Supplemental Attachment 10: Shorebased Whiting Carryover Workshop, PowerPoint Slides.

I.5.b Reports and Comments of Advisory Bodies and Management Entities

Mr. Frank Lockhart provided information on cost recovery, electronic monitoring, and Agenda Item I.5.b, Supplemental NMFS Report, Summary of Adaptive Management Program.

[Council adjourned for the day and reconvened at 8:02 a.m. on 11/07/2012.]

Mr. Colby Brady provided information on computational vision-based monitoring.

Mr. Lockhart provided additional information of electronic monitoring and updated the availability of NMFS to do follow-up work on current and planned trailing actions.

Ms. Michele Culver provided the Washington perspective on the agenda issues.

Ms. Gway Kirchner provided an Oregon perspective.

Ms. Joanna Grebel offered comments from the California perspective.

Mr. David Sones asked questions regarding Chafing Gear.

Mr. Corey Niles presented Agenda Item I.5.b, Supplemental GMT Report.

Mr. Tommy Ancona presented Agenda Item I.5.b, Supplemental GAP Report.

Agenda Item I.5.b, Supplemental PSMFC Report: Electronic Monitoring Update.

I.5.c Public Comment (11/7/2012; 10:22 a.m.)

Mr. Jake Postlewait, Oregon Coast Bank, Newport, Oregon; referred to the letter in Agenda Item I.5.c, Public Comment.

Mr. Paul Kujala, Trawler, Warrenton, Oregon.

Mr. Brad Pettinger, Oregon Trawl Commission, Brookings, Oregon.

Mr. Mike Okoniewski, Pacific Seafood, Woodland, Washington.

Ms. Kate Quigley & Mr. Michael Bell, Nature Conservancy, Morro Bay, California.
 Mr. Rod Moore, West Coast Seafood Processors Association, Portland, Oregon.
 Omar Allinson, Fisherman, Bellingham, Washington.
 Mr. Ralph Brown, Trawler, Brookings, Oregon.
 Mr. Ben Enticknap, Oceana, Portland Oregon; introduced Agenda Item I.5.c, Supplemental Public Comment 3: Letter from Oceana re. Chafing Gear.
 Mr. Brent Paine, United Catcher Boats, Seattle, Washington.
 Ms. Phoebe Higgins, California Fisheries Fund, San Francisco, California.
 Ms. Heather Mann, Midwater Trawlers Cooperative, Newport, Oregon.
 Mr. David Jincks, Midwater Trawlers Cooperative, Newport, Oregon.
 Ms. Sarah McTee, Environmental Defense Fund, San Francisco, California.
 Mr. James Mize, Phoenix Processor Limited Partnership, Seattle, Washington; introduced Agenda Item I.5.c, Supplemental Public Comment 4: Letter from Phoenix Processor Limited Partnership.
 Mr. Pete Leipzig, Fisherman's Marketing Association.
 Mr. Kevin Dunn, Oregon Trawl, Astoria, Oregon.
 Mr. Tommy Ancona, Fisherman's Marketing Association, Fort Bragg, California.
 Agenda Item I.5.c, Public Comment.
 Agenda Item I.5.c, Supplemental Public Comment 2.

I.5.d Council Action: Adopt Final Alternatives for Chafing Gear, Lenders, and Whiting Season Opening Date; Adopt Range of Alternatives for Analysis of Widow Reallocation; Provide Guidance for Carry-over, Electronic Monitoring, and Cost Recovery; and Consider Update on Adaptive Management (11/7/2012; 2:34 p.m.)

Mr. Lockhart asserted NMFS' determination to complete the actions moved forward by the Council. He emphasized the need to think about the goals of electronic monitoring. He noted that the option of hiring additional employees at the region was traded off in order to fund the observer reimbursement program. Dr. McIsaac expressed appreciation for Mr. Lockhart's comments and noted that the Pacific Dawn case was an unplanned demand on human resources.

Ms. Kirchner moved, and Mr. Feldner seconded, Motion 17 for the Council to adopt the following final preferred alternatives:

- Chaffing gear: alternative 1, modifying the language as recommended in the GAP statement (Agenda Item I.5.b, November 2012).
- Safe harbors for lenders:
 - Lending entities qualifying for an exemption: alternative 1 (PPA).
 - Scope of exception provided: alternative 2 as modified in the GAP statement (Agenda Item I.5.b, November 2012).
- Whiting season start date: May 15 for all sectors; removal of California early season (PPA).
- Council extend the transferability of widow rockfish quota share until reallocation of widow rockfish quota share is completed.

Ms. Kirchner referred to the supportive public testimony and the slides provided by Mr. Jincks to

help the Council better understand chafing gear. She noted that the chafing gear practices are currently in operation on the water and there is no appreciable impact from selecting her proposed option. She wants to move ahead with Final Preferred Alternatives on the other two issues to eliminate any delay when NMFS is ready to start work on them. She noted that the public statements from lenders indicated her proposed option would work for them. Regarding the whiting season start date, she believes individual fishery quota (IFQ) management should allow fishermen the opportunity to fish when they need to. The biological opinion shows that this change should not impact salmon. GAP and industry testimony indicated the Council should prioritize electronic monitoring over widow rockfish reallocation. We should still be prohibiting transferability of quota shares until we can get widow rockfish reallocation implemented.

Mr. Lockhart moved, and Ms. Vojkovich seconded, an amendment to Motion 17 (Amendment 1) to insert “prohibition on” in front of “transferability” (in the last bullet of the motion).

Amendment 1 carried unanimously.

Mr. Myer supported the motion. There is a debate about how the current chafing gear regulations came into place and whether they are the result of an error or oversight. It is uncertain how this regulation got to be applied to pelagic gear in the first place. He had reviewed his own company’s tow-by-tow data and reported almost no impact on forage fish.

Mr. Myer provided the following comments on behalf of Ms. Culver, who had to leave the meeting: It would be the preference of the State of Washington to delay any changes to the whiting season start date until there is a better analysis of the impact to non-IFQ species and on dogfish in particular. There is a commercial dogfish fishery off the State of Washington, and the proposed opening is in the timeframe that the dogfish are highly aggregated (“balled-up”). It would be better to have an IFQ program in place for dogfish prior to changing the start date for the whiting fishery.

Mr. Lockhart noted he will be abstaining on this vote.

Motion 17, as amended, carried (Mr. Lockhart abstained).

Responding to a request for guidance by the GMT, Ms. Vojkovich recommended that the GMT not move forward with work on trailing actions unless the Council asks about specific trailing actions.

Ms. Lowman moved, and Ms. Kirchner seconded, Motion 18 for the Council to begin initial scoping of an electronic monitoring regulatory amendment, including a discussion of the Council’s monitoring goals and objectives at the March or April Council meetings. In preparation for this meeting, consider a workshop that includes relevant industry and agency stakeholders that would help inform the Council’s thinking on goals and objectives as well as enforcement, management, science, and industry considerations.

Ms. Lowman referenced the very strong statements from the GAP which said that trying to look at ways to reduce program costs is a high priority. We have also heard that studies are underway

in the field. However, the Council's precise goals and monitoring objectives have not been clear.

Ms. Lowman said that in March we will receive results of the first year of field work. As researchers think about the second year of that work, assuming there is funding, it will be important for them to know our goals, objectives, and key considerations from all stakeholders, including government and industry. Preparation for the workshop should entail work with respective industry, enforcement, and science folks to initiate some groundwork to make the workshop most productive. The workshop would be composed of a select small group representing all needed elements. Between now and next spring other resources will be coming on that will help the workshop, including some national initiatives. She did not expect that this will be fast-tracked because there are a number of complex issues; however, a start is needed. Observer reimbursement will be running out and we need to think of some ways to give the industry options for a more efficient program. Work needs to be done on how to design an amendment to take advantage of the technology available now and still provide flexibility for future advancements.

Mr. Wolford spoke in support, noting the importance of developing details, e.g., frame rates and processing requirements. The workshop should also consider which segments of the rationalization program might gain the greatest benefit for a given cost.

Motion 18 passed unanimously.

Mr. Crabbe, noting comments received by the Council on the lack of ability to get observers in some of our smaller ports, expressed concern about these small communities and what they are going through in trying to get observers.

Mr. Lockhart responded that he had a conversation with Mr. Ancona on the issue and would follow-up further with him and with observer providers.

Ms. Lowman commented on the need to go through a prioritization process on trailing actions.

Mr. Wolford mentioned that there were observer issues with respect to Half Moon Bay as well.

Mr. Myer provided guidance on the whiting surplus quota share carryover issue by recommending suspension of the carryover for whiting until the five-year review. He noted that at the workshop, and through discussions continuing during the week, people seem to have come to a common thought that the carryover is more important to the treaty process and to suspend it for the individual quota share holders.

Mr. Seger asked if the guidance was to formally suspend the carryover or to do essentially what happened in 2012, which was that the carryover didn't occur. If we formally suspend it, we have to take a regulatory action.

Mr. Myer stated that it would be to do as we did in 2012.

Dr. Hanson noted that Silver Spring provided a lot of assistance to get the trawl rationalization

program into place and asked whether there was willingness to provide the additional assistance needed to make the program work. Mr. Lockhart responded that he thought there would be some willingness to provide more resources to the region.

Ms. Vojkovich moved, and Mr. Brizendine seconded, Motion 19 for the Council to send a letter to NMFS Headquarters describing the importance of the program, the support we needed from them to get it into place, and that now we need additional support to make the critical parts of the program functional.

Ms. Lowman supported the motion, stating that we have some definite challenges that threaten the success of the program if we don't have the resources to handle them.

Motion 19 carried (Mr. Lockhart abstained).

J. Highly Migratory Species Management

J.1 Council Recommendations on International Highly Migratory Species Management (11/5/2012; 8:16 a.m.)

J.1.a Agenda Item Overview

Dr. Kit Dahl presented the Agenda Item Overview and introduced the following attachments:

- Agenda Item J.1.a, Attachment 1: Inter-American Tropical Tuna Commission 84th Meeting (Extraordinary), La Jolla, California (USA) 24-25 October 2012; Provisional Agenda.
- Agenda Item J.1.a, Attachment 2: Review of the Implementation and Effectiveness of CMM 2008-01, WCPFC-SC8-2012/ SC8-WCPFC8-01.
- Agenda Item J.1.a, Attachment 3: Conservation and Management Measure for Bigeye, Yellowfin and Skipjack Tuna in the Western and Central Pacific Ocean; Paper prepared by the WCPFC Chair and WCPFC Vice-Chair.
- Agenda Item J.1.a, Attachment 4: Excerpt from Report of the Twelfth Meeting of the International Science Committee for Tuna and Tuna-Like Species in the North Pacific Ocean Plenary Session 18-23 July 2012, Sapporo, Hokkaido, Japan.
- Agenda Item J.1.a, Attachment 5: Draft Conservation and Management Measure for Pacific Bluefin Tuna (Northern Committee Eight Regular Session, September 3-6, 2012).
- Agenda Item J.1.a, Supplemental Attachment 6: WCPFC Ninth Regular Session, Provisional Agenda (2-6 December 2012, Manila Philippines); and Agenda Item J.1.a, Supplemental Attachment 7: WCPFC Overlap Area considerations by IATTC.

Dr. Donald McIsaac presented information regarding the Permanent Advisory Committee (PAC) meeting held in October.

Ms. Marija Vojkovich presented information from the PAC meeting held in October.

J.1.b Reports and Comments of Advisory Bodies and Management Entities

Mr. Mark Helvey presented information regarding the status of the U.S.-Canada Albacore Treaty.

Mr. Kirt Hughes presented Agenda Item J.1.b, Supplemental HMSMT Report.

Mr. Doug Fricke presented Agenda Item J.1.b, Supplemental HMSAS Report.

J.1.c Public Comment (11/5/2012; 9:22 a.m.)

Agenda Item J.1.c, Public Comment: Letter from the American Albacore Fishing Association.

Agenda Item J.1.c, Public Comment 2: Letter from the American Albacore fishing Association #2.

Agenda Item J.1.c, Public Comment 3: Letter from the Western Fishboat Owners Association.

Mr. Jack Webster, F/V Billie Jean, Bonita, California.

Mr. Chip Bissell, American Albacore Fishing Association, Bonita, California.

Mr. Wayne Heikkila, Western Fishboat Owner's Association, Redding, California.

Mr. Pierre Marchand, Jessie's Ilwaco Fish, Ilwaco, Washington.

Mr. Peter Flournoy, American Fishermen's Research Foundation, San Diego, California.

J.1.d Council Action: Consider International Management Recommendations Including the U.S.-Canada Albacore Treaty and Recommendations to the U.S. Delegation to the Ninth Regular Session of the Western and Central Pacific Fisheries Commission (11/5/2012; 10:36 a.m.)

Ms. Vojkovich recommended providing guidance to Council staff on drafting a letter containing Council recommendations on Western and Central Pacific Fisheries Commission 9 and the U.S.-Canada Albacore Treaty, based on the Highly Migratory Species Advisory Subpanel (HMSAS) and Highly Migratory Species Management Team (HMSMT) reports and public comment.

With respect to the U.S.-Canada Albacore Treaty, Ms. Vojkovich identified the following issues to focus on: attribution of catch by foreign vessels in the respective EEZs, the change in Canadian fishing effort in the U.S. EEZ prior to 1998 and its subsequent increase, and port access issues (principally access to Canadian ports by U.S. vessels). She noted that port access is not just governed by the Treaty but is still relevant to the conduct of the fishery.

Ms. Vojkovich described recommendations for the negotiation of a fishing regime for 2013 pursuant to the Treaty. She identified the provision of results from the bi-national Data and Economic Working Groups to support negotiations and the impact of the free trade agreement being negotiated between Canada and the European Union as key issues. Any fishing regime should support a "level playing field" for U.S. harvesters in relation to economic opportunities.

Mr. Helvey asked if Ms. Vojkovich meant to include fishing effort attribution as an issue subject to negotiations. Ms. Vojkovich responded that it could be included as long as it is something that can be addressed pursuant to the terms of the treaty. Mr. Helvey also recommended that letters containing Council recommendations be sent to both the State Department and NMFS.

Dr. McIsaac noted that the Council will work with Mr. Helvey so that any bilateral meetings are scheduled to optimize Council engagement relative to the March and April 2013 Council meetings.

Ms. Culver concurred with the points Ms. Vojkovich put forward for Council recommendations. She went on to emphasize the need to negotiate a fishing regime for 2013, if possible. While she appreciates the views expressed by harvesters relative to improved conditions in 2012 (with Canadian vessels absent from the U.S. EEZ), the Council needs to consider the potential effects

of not having the fishing regime in 2013 on ports and fishing communities. She thought that in 2012 the demand for albacore by processors was greater than what U.S. harvesters alone were able to meet.

Ms. Lowman restated the Council's intent to send a letter to NMFS and the State Department with Council recommendations.

Ms. Vojkovich then turned to Council recommendations for the WCPFC Ninth Regular Session. She referenced sections of the HMSAS and HMSMT reports that could form the basis of a Council recommendation. She then summarized proposed Council recommendations. Noting the small fleet of U.S. pole-and-line and troll vessels that fish for South Pacific albacore, any new conservation and management measure should take into account the tradeoff between placing restrictions on this small fleet and resulting benefits in terms of stock recovery. The U.S. should support a measure that reduces fishing mortality on juvenile Pacific bluefin tuna. Any measure related to fish aggregation device (FAD) monitoring and management should avoid inadvertent impacts to the U.S. albacore fleet. A measure for the tropical tunas should take into account the apparent range contraction of skipjack tuna. (This could cause the Japanese pole-and-line fleet to focus effort more heavily on North Pacific albacore.) She referenced the recommendations in the HMSMT Report on North Pacific albacore, oceanic whitetip shark, and FADs.

Ms. Lowman noted Council consensus on these recommendations.

K. Ecosystem-Based Management

K.1 Fishery Ecosystem Plan (FEP) (11/6/2012; 9:04 a.m.)

K.1.a Agenda Item Overview

Mr. Michael Burner presented the Agenda Item Overview and introduced the following attachments:

- Agenda Item K.1.a, Attachment 1: Draft Pacific Coast Fishery Ecosystem Plan.
- Agenda Item K.1.a, Supplemental Attachment 2: Supplemental REVISED Final Council Action.

K.1.b Report of the Ecosystem Plan Development Team

Ms. Yvonne deReynier presented Agenda Item K.1.b, Supplemental EPDT Presentation.

K.1.c Reports and Comments of Advisory Bodies and Management Entities

Mr. Don Maruska presented Agenda Item K.1.c, Supplemental EAS Presentation and Agenda Item K.1.c, Supplemental EAS Report.

Dr. Owen Hamel presented Agenda Item K.1.c, Supplemental SSC Report.

Mr. Mike Burner read Agenda Item K.1.c, Supplemental SAS Report into the record.

Mr. Tim Roth presented Agenda Item K.1.c, Supplemental HC Report.

Mr. Doug Fricke presented Agenda Item K.1.c, Supplemental HMSAS Report.

Mr. Rob Jones presented Agenda Item K.1.c, Supplemental GMT Report.

Mr. John Holloway presented Agenda Item K.1.c, Supplemental GAP Report.
Mr. Mike Okoniewski presented Agenda Item K.1.c, Supplemental CPSAS Report.

K.1.d Public Comment

Mr. Norman Ritchie, Association of Northwest Steelheaders, Portland, Oregon; discussed Agenda Item K.1.d, Supplemental Public Comment 4: Letter from Association of Northwest Steelheaders.
Mr. Ken Hinman, National Coalition for Marine Conservation, Leesburg, Virginia.
Mr. Ralph Brown, Brookings, Oregon.
Mr. Ben Enticknap, Oceana, Portland, Oregon.
Mr. Steve Marx, PEW Environment Group, Portland, Oregon.
Mr. Greg Helms, Ocean Conservancy, Santa Barbara, California.
Mr. Seth Atkinson, Natural Resources Defense Council, San Francisco, California.
Ms. Anna Weinstein, Audubon California, Emeryville, California.
Agenda Item K.1.d, Public Comment.
Agenda Item K.1.d, Supplemental Public Comment 2.
Agenda Item K.1.d, Supplemental Public Comment 3.

K.1.e Council Action: Adopt Preliminary FEP for Public Review (11/6/2012; 11:24 a.m.)

The Council discussed when the comments provided at this meeting might be incorporated in a review draft for the Council and public. Staff indicated the March briefing book deadline would be the latest and could not be sure if something could be provided earlier than that.

Mr. Lockhart stated he would like to have the Ecosystem Plan Development Team (EPDT) consider all the comments in regard to Council intent rather than incorporate all of them and bring that information back to the Council at some point.

Ms. Culver indicated that her motion would specify certain things to include, some things the EPDT could consider, and some things she would not want included.

Mr. Ortmann stated he would like to ensure the forage fish list is included for consideration in the motion.

Ms. Vojkovich was concerned with the lack of clarity on how this document interacts with the next two agenda items and how it can be used in the Council process. This needs to be made clear at some point.

Ms. Culver moved, and Ms. Vojkovich seconded, Motion 15 for the Council to adopt the preliminary draft FEP (Agenda Item K.1.a, Attachment 1) for public review with the following changes:

1. The following statement would be added to the “Purpose and Need” section:
The FEP is meant to be an informational document. It is not meant to be prescriptive relative to Council fisheries management. Information in the FEP, results of the Integrated Ecosystem Assessment (IEA), and the Annual State of the California

Ecosystem Report would be available for consideration during the routine management process for fisheries managed in each FMP. How exactly these items will affect fishery management decisions is at the discretion of the Council.

2. Section 6.2 would be removed from the FEP and added to the Council's broader Research and Data Needs document.
3. Chapter 7 would be removed from the FEP and become a stand-alone document. The following statement would be added to the top of this stand-alone initiatives document:

The Council has had considerable discussion regarding FEP Initiative 1, so a process to move forward with this proposal has been fleshed out and included in this draft. However, the other draft examples are presented in a conceptual manner. The Council seeks feedback on all of these initiatives, including comments on the concepts, suggested priorities and rationale, and ideas for additional initiatives for Council consideration.
4. FEP Initiative 1 should reference the preliminary draft list of forage fish species that the EPDT developed with an explanation that this draft would be available as a starting point for the ad hoc committee tasked with completing this initiative, and the draft list should be appended to this stand-alone initiatives document.
5. The following proposals would be added to the initiatives document:
 - a. The Amendment 24 initiative described in Agenda Item K.1.c, Supplemental GMT Report (Last paragraph on page 1).
 - b. An initiative to develop a list of core ecosystem indicators that could be tracked through the Annual Report. The intent would be to have a discreet set of indicators that would be useful for Council routine management; additional indicators may be brought forward and tracked in the Annual Report at the discretion of the NMFS Science Centers.

These draft documents would be made available on the Council's website and their availability would be announced to the Council's e-mail notification listserv as soon as the changes above are made.

6. For the March briefing book, the Ecosystem Plan Development Team would review and consider the comments made by the Council's advisory bodies and incorporate changes, as appropriate, except for the changes suggested in the Supplemental HMSAS Report, and the changes suggested by the Habitat Committee to Section 4.3.1.1 and the request for an additional section addressing the framework for FEP integration.

Ms. Culver stated that the addition to the proposed purpose and need statement in Item 1 is intended to add specificity to deal with concerns voiced about how and when we use the information in the FEP. The intent is not to create a new process or review of fishery management actions, but to utilize it in our regularly scheduled, existing fishery management processes on an annual basis. The FEP would not prescribe how the Council would use the information for harvest levels or fishery regulations as she wanted to allow Council flexibility on a case-by-case basis.

Regarding Item 2, Ms. Culver stated that all of the items in Section 6.2 are research and data needs for the different FMPs, and since there is a regularly updated Council research and data needs document, it would seem better to add an ecosystem section to that document rather than have it buried in this FEP.

For Item 3, Ms. Culver stated that she has had questions about how the FEP could be revised in the future. Would it require a plan amendment process? The FEP says it is to be a living, adapting document. However, the Council has had very little discussion on most of the cross-FMP initiatives that are in Chapter 7 – whether they have the right concepts and priorities or what may have been missed. She didn't want Chapter 7 to go out as part of the larger plan since it may give the public the wrong idea on these initiatives. For those reasons, she wanted to have Chapter 7 as a stand-alone document that may be easier to update and modify in the future.

Regarding Item 4, Ms. Culver said we have had considerable discussion on FEP Initiative 1 and requests to have the draft list of forage species included in the FEP. It seems to be efficient to do so, adding the caveat that this is a draft starting point for the ad hoc committee to consider as we move forward.

Concerning Item 5, Ms. Culver said she has added a couple of initiatives, starting with the Amendment 24 initiative that concerns how the NEPA and IEA process may fit together (as contained in the GMT report). The public has also commented on the need for core ecosystem indicators. She agrees with that, but didn't want to be too prescriptive with a list of indicators and would like the flexibility for the science centers to have those indicators change from year to year as we move forward and get improved data on the indicators.

Mr. Culver's intention in Item 6 is to have these draft documents go out as soon as possible rather than wait for the March briefing book deadline. This will facilitate an early public review of the documents and have a revised draft by the March briefing book deadline that would incorporate some of the specific language changes in the committee reports which shouldn't have an effect on the early public review draft.

Regarding the items she excluded, Ms. Culver said she appreciated that the HMSAS did not have much time to discuss the issues and felt their comments were driven by a lack of information and would not be helpful or productive to the EPDT. The changes recommended in the Habitat Committee report concerned having a time series of maps of the trawl footprints. This needs more consideration in several regards, and has been in the current groundfish EFH document and will be updated in the new groundfish EFH update. She wasn't sure of what was meant by the framework FEP integration and so did not include it at this time.

Mr. Roth asked if the intent under Item 5, regarding the initiatives that become part of the stand-alone document, was to have the ability to make changes more frequently and if that document could be considered an appendix to the FEP.

Ms. Culver said her thought in making it be a stand-alone document was due to more time needed for us to flesh out ideas in it. This document will fall under the umbrella of the FEP, and the initiatives could become appended to the document or be referenced in the document.

Mr. Burner asked, regarding the second to last paragraph, if the documents referred to were the research and data needs document and the stand-alone initiatives document?

Ms. Culver clarified that she was referring to the FEP (chapters 1-6) and the stand-alone document (former Chapter 7 with the additional initiatives she had proposed).

Mr. Burner presumed that the public review draft that is to be posted as soon as possible would not reflect the comments of the advisory bodies.

Ms. Vojkovich said she believes Ms. Culver has addressed most of the key comments in her motion and the rationale for pulling the initiatives chapter seems appropriate as it is more of a working document. The addition of the two initiatives in a conceptual manner seems like all we can do at this point. She asked if the list of core ecosystem indicators might include something like was mentioned in several public comments about a forage index. Is that what you were contemplating as a kind of an indicator that might be developed for use?

Ms. Culver responded yes.

Regarding the research needs priorities (Item 2), Mr. Burner confirmed with Ms. Culver that she would like to have proposals of the EAS added to the bulleted list in the research and data needs document.

Ms. Kirchner asked what would link the stand-alone initiatives document with the FEP.

Ms. Culver stated that we could have that discussion in March when there would be feedback on the document and how it would fall under the umbrella of the FEP and added as an appendix or be referred to in the FEP document.

Mr. Lockhart spoke in favor of the motion and the separation of the initiatives to make it easier to change in the future. He believes the initiative process should be part of the FEP, but it is appropriate to determine that in March, when we have comments from the public.

Ms. Kirchner moved, and Mr. Feldner seconded, to amend Motion 15 (Amendment 1) by adding a new chapter 7 that defines a process linking the stand-alone initiatives document to the FEP.

Ms. Kirchner thought it would be good for the EPDT to put together some sort of draft process so there would be something to comment on in March as we are adopting a final FEP. She is not sure of what that process may be, so has left it open to allow the EPDT flexibility.

Ms. Vojkovich asked if the intent was to clearly expose the concepts of initiatives and to get an idea of how one may develop an initiative, add it to the list, and know how the Council could consider it in relation to the FEP?

Ms. Kirchner responded affirmatively. Mr. Roth agreed that the amendment would help clarify how we make the stand-alone initiatives document fall under the umbrella of the FEP.

Mr. Wolford was not supportive of adding a new Chapter 7. We had asked the EPDT for thoughts on how the FEP and stand-alone document were related, but he did not support assigning the EPDT to write a new chapter and include it in the draft FEP before it goes out for

review.

Ms. Culver said she didn't view this as a whole new chapter, but that it could be as little as a page. The direction is to have the EPDT draft a process by which the Council would consider revisions to the initiatives document.

Ms. Kirchner agreed that is correct, and by doing so, we would bring the list of initiatives under the umbrella of the FEP.

Concern was raised that the amendment called for a new chapter.

Ms. Culver moved, and Mr. Wolford seconded, as a substitute amendment (Amendment 2), to change the prior amendment to strike *add a new chapter 7.0* and insert *direct the EPDT to include language in the FEP that links the stand alone initiatives document to the FEP and specifies a draft process by which the Council would consider modifying the initiatives document.*

Amendment 2 passed unanimously.

In response to a question by Dr. McIsaac about the ad hoc committee referred to under item 2, Ms. Culver stated that would be a new committee to be established in the future.

Mr. Burner asked if the EPDT could have some latitude for naming the document something other than the "stand-alone document."

Ms. Culver added it can be changed.

Ms. Kirchner supported the motion, stating that it gives clear guidance to the EPDT and makes sure the forage fish issue is visible.

Motion 15, as amended, carried unanimously.

Ms. Culver moved, and Ms. Kirchner seconded, Motion 16 that the Council request input from the Council advisory bodies, states, tribes, and the public on the proposed revisions to the Federal List of Fisheries and Gears in advance of FEP completion; and specifically, for the states to provide updates relative to state-managed fisheries as well as changes to the Federal fisheries in time for the March Briefing Book draft.

Ms. Culver said she thinks this request is an important first step in looking at the forage fish issue and updating the list of fisheries with particular regard to providing state input. One of the things that WDFW will focus on will be geographic specification as to where the fisheries occur and where the gear types are legal, similar to what was done for salmon in the first draft of the FEP. She wants to have this information included in the document that goes in the March briefing book. The Council action in March could include approving and/or revising the list of fisheries to ensure its accuracy.

Ms. Vojkovich stated it appears to her that the initiatives document is about the forage issue, and we have a process laid out for fixing the list. Therefore, the states wouldn't necessarily have to have it all nailed down for the action on the FEP in March.

Ms. Culver responded yes, but noted her understanding that NMFS is trying to update the list of fisheries by the end of the year and to have a revised list that would be separate from the Council process.

Mr. Lockhart agreed. Ms. Vojkovich then concluded that the initiatives could be adaptations to the list, but it would not be inclusive.

Further discussion by the Council clarified that the list of fisheries contains both Federal and state fisheries, and Ms. Culver's motion speaks to the list in the draft FEP and should be handled under that agenda item at the March meeting.

Mr. Burner had concern regarding the workload for the EPDT. The June motion instructed them to provide a progress report on the list of fisheries in March. It would be a tall order for the team to complete the FEP and provide a near final list of fisheries for March rather than a progress report for input and further development.

Dr. McIsaac stated that, if the motion passes, this is an idea that is a suggestion and balancing the workload would occur under Agenda item F.4.

Motion 16 carried unanimously.

K.2 Integrated Ecosystem Assessment Implementation Report (11/6/2012; 1:40 p.m.)

K.2.a Agenda Item Overview

Mr. Michael Burner presented the Agenda Item Overview.

K.2.b Fisheries Science Centers' Report

Dr. John Stein and Dr. Cisco Werner presented Agenda Item K.2.b, NWFSC and SWFSC Report.

K.2.c Reports and Comments of Advisory Bodies and Management Entities

Mr. Mike Burner read Agenda Item K.2.c, Supplemental SSC Report into the record.

Mr. Paul Dye presented Agenda Item K.2.c, Supplemental EAS Report.

Mr. Tim Roth presented Agenda Item K.2.c, Supplemental HC Report.

Mr. Mike Okoniewski presented Agenda Item K.2.c, Supplemental CPSAS Report.

Mr. John Holloway presented Agenda Item K.2.c, Supplemental GAP Report.

Mr. Rob Jones presented Agenda Item K.2.c, Supplemental GMT Report.

K.2.d Public Comment

Mr. Ralph Brown, Brookings, Oregon.

K.2.e Council Action: Council Discussion (11/6/2012; 2:32 p.m.)

Ms. Culver had questions about the timing of a Council review of the Atlantis Model to deem it as best available science to guide ecosystem decisions. Dr. Levin indicated that there were questions about how the model might be useful in management decisions, and the degree of expertise needed to evaluate the model, which is very complex. Ms. Culver concluded that the first step would be to schedule a workshop to look at the products the Atlantis Model could produce and then, if it is deemed useful, to schedule a review of the technical basis of the model.

Ms. Culver said that, while she does not fully understand its capabilities, it appears to her that the Integrated Ecosystem Assessment (IEA) may be a useful tool for the Council to use in ecological considerations within the Council process. She was excited that they intend to have something on the web in mid-December to aid the understanding that might be geared to the general public. That would be useful for the Council and advisory bodies. She would fully support Council engagement in a workshop. Due to the very technical nature of this, we should clearly identify those we want to attend to make sure the workshop is productive and the Council and IEA team get what we need from it. It may be prudent for the Council to narrow the list or ask the advisory bodies to provide a list of attendees.

Ms. Lowman suggested we ask the staff to work with the IEA workshop conveners to make the appropriate recommendations for attendees.

K.3 California Current Ecosystem Report (11/6/2012; 2:57 p.m.)

K.3.a Agenda Item Overview

Mr. Michael Burner presented the Agenda Item Overview and introduced Agenda Item K.3.a, Supplemental Attachment 1: Annual State of the California Current Report.

K.3.b Report of the Ecosystem Plan Development Team

Ms. Yvonne deReynier presented Agenda Item K.3.a, Supplemental EPDT Presentation.

K.3.c Reports and Comments of Advisory Bodies and Management Entities

Mr. Mike Burner read Agenda Item K.3.c, Supplemental SSC Report into the record.

Dr. Jason Cope presented Agenda Item K.3.c, Supplemental GMT Report.

Mr. Mike Okoniewski presented Agenda Item K.3.c, Supplemental CPSAS Report.

Mr. Paul Dye presented Agenda Item K.3.c, Supplemental EAS Report.

K.3.d Public Comment

Mr. Steve Marx, PEW Environment Group; Portland, Oregon.

Mr. Ralph Brown, Brookings, Oregon.

K.3.e Council Action: Council Discussion

Dr. McIsaac talked about expectations for the ecosystem report. He noted one thing that caught the Council's interest in last year's ecosystem report was the krill graph. It showed high abundance which predicted a high abundance of jacks in the Sacramento River. He wondered

what this year's report would say about that. This report came as a supplemental document, so Council members have not had much opportunity to explore it. He asked the presenters if they could give the top four nuggets that Council members might appreciate knowing as they finish this meeting and prepare for the March Council meeting.

Dr. Brian Wells stated that the take home message of the report was that the large scale base environmental conditions in the California Current should promote increased local and regional productivity. This is supported by the upwelling data on a regional basis as well. The krill values are good this year, and salmon should be in good condition. For the CPS groups, we are showing an increase, or at least average or slightly above-average values. The longer-aged species, as we move forward, should experience increased productivity as well. We don't include highly migratory species yet, and are working on how to incorporate them in the future.

Dr. Phil Levin referred to two figures with information on mean trophic levels. He noted that looking at a single species is not adequate to give you the full story on where the species may be headed. We need to approach with an ecosystem-based management for species that includes how predators may prevent them from coming back. He also noted a new index, the fisheries diversification index, which indicates that we are at the lowest level of diversification in the fleet in the last 30 years. The higher the level of diversification, the less bouncing around of economic values that occur.

Mr. Lockhart said we need to fight the urge to make the report longer. It needs to be a concise list of indicators that could become more and more useful. This is a good first start, and I would like to continue at this time without making any changes. However, over the next six months, as we complete the FEP and move ahead with the IEA, there may be some better things emerging that we may want to incorporate in this report.

Mr. Roth agreed with Mr. Lockhart's comments. He noted that trying to meet the twenty-page limit is something worth considering, but some of the advisory bodies thought there should be a little more depth on some indices and a bit more expansion of the report. He referenced some of the comments concerning the report card of the North Pacific Council and timelines for some of the indices.

Ms. Culver stated that the report was very readable and didn't note anything that she wanted added to the report. It certainly addressed the key factors she wanted in the report. She would like to keep it to 20 pages or less. Regarding the future, she did not see the creation of a new ecosystem advisory team resulting from this, but rather saw it as a short-term project. She recommended that the very same team that produced this report do the future reports. She would request the science center to be the ones who synthesize and summarize the information most useful to the Council and perhaps rely on an ad hoc group, including NMFS and state representatives, to review and interpret the science in plain English for approval by the Council.

Ms. Vojkovich was supportive of an iterative process and knows we will see enhancements as we go along and become more informed about what would increase the usefulness of the document. She is not sure if the IEA process encompasses all the information that we may want to include in a report, but that looks like the way to start for now.

Mr. Lockhart noted that the EAS report made an important point of the need for additional effort to establish an indicator for sustainable fishing communities.

Dr. Wells responded that we are beginning a large effort to develop socio-economic indicators of fishing and coastal communities and as those are developed and reviewed they would be included in the document. He also noted that the advisory body comments they have received this week have pointed them in a lot of good directions to go, which will improve the document over time.

[Council concluded this agenda item at 3:53 p.m.]

[At the request of Ms. Culver, the Council scheduled another brief closed session to discuss advisory body appointments for the following (Wednesday) morning.]

ADJOURN

The Council adjourned November 7, 2012 at 5:06 p.m.

Dan Welford
Council Chairman

Date

DRAFT VOTING LOG
Pacific Fishery Management Council
216th Meeting
November 2012

Motion 1: Adopt the Council agenda as shown in Agenda Item A.4, Proposed Agenda for the November 3-7, 2012 Council Meeting, with the cancellation of Agenda Item F.1, Approval of Council Meeting Minutes.

Moved by: David Crabbe Seconded by: Buzz Brizendine
Motion 1 carried unanimously.

Motion 2: Adopt the Schedule and Process for Developing the 2013 Ocean Salmon Fishery Management Measures as shown in Agenda Item C.2.a, Attachment 1.

Moved by: Steve Williams Seconded by: Jeff Feldner
Motion 2 carried unanimously.

Motion 3: Approve the new and modified methodologies for implementation in the 2013 salmon season, following the recommendations included in Agenda Item C.3.b, STT Report and Agenda Item C.3.b, Supplemental SSC Report.

Moved by: Steve Williams Seconded by: Pat Pattillo
Motion 3 carried unanimously.

Motion 4: Adopt changes to the Catch Sharing Plan as found in Agenda Item E.1.b, ODFW Report.

Moved by: Gway Kirchner Seconded by: Jeff Feldner
Motion 4 carried unanimously.

Motion 5: Approve the draft Council Operating Procedure 23 as described in Agenda Item G.2.b, Supplemental CPSMT Report, with the changes noted by the CPSMT and the following change:

Under November Council meeting, add another bullet:

- Recurring EFP proposals should be evaluated by the CPSMT to ensure they are substantially similar to the previous year's research and reviewed for content by the SSC every few years to determine whether the information produced by the projects prove useful in long term improvement of fishery management.

Moved by: Michele Culver Seconded by: Rich Lincoln

Amndmnt 1: Amend the prior motion by inserting the following italicized phrase in the paragraph under “March Council Meeting” in Agenda Item G.2.b, Supplemental CPSMT Report:

Proponents of both new and recurring EFP, *if requested by the Council following its review of the letter of intent*, submit final versions of their proposals.

Motion 5 carried (Mr. Pollard and Mr. Ortmann voted no).

Motion 6: Council approves the stock assessment and overfishing limit (OFL) depicted in the Agenda Item G.3.b, Assessment Report 1 and Supplemental Assessment Report 2 and OFL limit as depicted in Agenda Item G.3.c, Supplemental CPSMT Report in Table 1, with the OFL shown under the “harvest formula” at 103,284 mt.

Motion 6 carried unanimously.

Motion 7: Select a P* of 0.4 to correspond to an acceptable biological catch of 94,281 mt as identified in Agenda Item G.3.c, Supplemental CPSMT Report (Table 1).

Motion 7 carried unanimously.

Motion 8: Establish an ACL equal to the ABC of 94,281 mt, as shown in Table 1 of Agenda Item G.3.b, Supplemental CPSMT Report; and to use the set aside requests as shown in Table 2 of the CPSMT Report (Agenda Item G.3.b, Supplemental CPSMT Report) to reflect a tribal set-aside (9,000 mt) and an EFP set aside (3,000 mt), recognizing that tribal negotiations will determine the final number. If the final number for the tribal set-aside is different, the allocations to be distributed as outlined in Table 2 of G.3.b, Supplemental CPSMT Report.

Motion 8 carried unanimously.

Motion 9: Adopt the incidental allowance of 40 percent as shown in Agenda Item G.3.b, Supplemental CPSAS Report; and the incidental set-asides shown in Table 2 (1,000 mt) of Agenda Item G.3.b, Supplemental CPSMT Report.

Motion 9 carried unanimously.

Motion 10: Approve the West Coast Vancouver Island Survey for use in future stock assessments.

Seconded by: David Crabbe

Amndmnt 1: Amend the motion to change the wording by inserting “as described in the Supplemental SSC Report” after “assessment.”

Moved by: Dave Hanson

Seconded by: David Ortmann

Amendment 1 carried (Ms. Yaremko voted no).

Motion 10, as amended, carried unanimously.

Motion 11: Council move forward with the recommendations contained in Agenda Item I.2.b, Supplemental GMT Report as described on page 4 of their document. I would also approve the recommendation contained in Agenda Item I.2.b, Supplemental GAP Report on the top of page two with the default procedures with annual catch limits, and provide direction to the SSC to develop a range of alternatives and recommendations on how we might adjust the rebuilding plans when new stock assessments information become available, establish appropriate mechanisms to accommodate changes in rebuilding parameters and recommends to appropriate rebuilding parameter the Council should consider adjusting (ie. T Target vs. SPR rates, etc).

Moved by: Michele Culver

Seconded by: Gway Kirchner

Motion 11 carried unanimously.

Motion 12: Schedule this on the Council agenda for March 2013, with the answers to the questions identified in the previous motion; Council have ability for final action at the March 2013 meeting. Intent of the new process would be available for the Council to follow for the 2015-16 cycle.

Moved by: Michele Culver

Seconded by: Gway Kirchner

Motion 12 carried unanimously.

Motion 13: Adopt the recommendations of the GMT as shown in Agenda Item I.3.b, Supplemental GMT Report 2; those recommendations are:

1. Have the GMT and an SSC sub-group meet to discuss refinement of the mortality rate estimates at the January GMT meeting.
2. Task the GMT with development of mortality rates for canary rockfish for review at the March Council meeting.
3. Have the states provide a description of their proposed methods for accounting for the proportion of anglers using descending devices for review by the GMT and SSC in time for comments to be included in the March Briefing Book.
4. If mortality rates and methods for applying them are approved, state by state implementation would begin when each state is prepared to do so rather than waiting for all three to be prepared before moving forward

Ask GMT to consider buffers as referenced in the SSC Report; might use mortality rate by depth bin as a starting point, stratify depths as follows: 0-30 fm,

31-59 fm, and greater than 59 fm.; relative to buffers, one option to use 15 percent for the 0-30 fm, 30 percent for 31-59 fm.

Moved by: Marija Vojkovich
Motion 13 carried unanimously.

Seconded by: David Crabbe

Motion 14: Council approves the 2013 inseason adjustments for:

- Open Access Fixed Gear North of 36° N. Latitude:
 - Alternative 1: Periods 1 through 5: 300 lb. per day, or 1 landing per week of up to 700 lb., not to exceed 1,400 lb per 2 months; Period 6: 300 lb. per day, or 1 landing per week of up to 300 lb., not to exceed 600 lb. per 2 months. (Agenda Item I.4.b, Supplemental GAP Report)
- Limited Entry Fixed Gear North of 36° N. Latitude:
 - Alternative 1 (Low price): 1 landing per week of up to 950 lb., not to exceed 2,850 lb. per 2 months.
- The recommended inseason change as shown in WDFW recreational fishery report (Marine areas 3 and 4).

Moved by: Michele Culver
Motion 14 carried unanimously.

Seconded by: Gway Kirchner

Motion 15: Council adopts the preliminary draft Fishery Ecosystem Plan (FEP) (Agenda Item K.1.a, Attachment 1) for public review with the following changes:

1. The following statement would be added to the “Purpose and Need” section:
The FEP is meant to be an informational document. It is not meant to be prescriptive relative to Council fisheries management. Information in the FEP, results of the Integrated Ecosystem Assessment (IEA), and the Annual State of the California Ecosystem Report would be available for consideration during the routine management process for fisheries managed in each FMP. How exactly these items will affect fishery management decisions is at the discretion of the Council.
2. Section 6.2 would be removed from the FEP and added to the Council’s broader Research and Data Needs document.
3. Chapter 7 would be removed from the FEP and become a stand-alone document. The following statement would be added to the top of this stand-alone initiatives document:
The Council has had considerable discussion regarding FEP Initiative 1, so a process to move forward with this proposal has been fleshed out and included in this draft. However, the other draft examples are presented as a conceptual manner. The Council seeks feedback on all of these initiatives, including comments on the concepts, suggested priorities and rationale, and ideas for additional initiatives for Council consideration.
4. FEP Initiative 1 should reference the preliminary draft list of forage fish species that the EPDT developed with an explanation that this draft would be available as a starting point for the ad hoc committee tasked with completing

this initiative, and the draft list should be appended to this stand-alone Initiatives document.

5. The following proposals would be added to the Initiatives document:
 - a. The Amendment 24 initiative described in Agenda Item K.1.c, Supplemental GMT Report (Last paragraph on page 1).
 - b. An initiative to develop a list of core ecosystem indicators that could be tracked through the Annual Report. The intent would be to have a discreet set of indicators that would be useful for Council routine management; additional indicators may be brought forward and tracked in the Annual Report at the discretion of the NMFS Science Centers.

These draft documents would be made available on the Council's website and their availability would be announced to the Council's e-mail notification listserv as soon as the changes above are made.

6. In addition, for the March briefing book, the Ecosystem Plan Development Team would review and consider the comments made by the Council's advisory bodies and incorporate changes, as appropriate, except for the changes suggested in the Supplemental HMSAS Report, and the changes suggested by the Habitat Committee to Section 4.3.1.1, and the request for an additional section addressing the framework for FEP integration.

Moved by: Michele Culver

Seconded by: Marija Vojkovich

Amndmnt 1: A new chapter 7.0 linking the stand-alone initiatives document to the FEP.

Moved By: Gway Kirchner

Seconded by: Jeff Feldner

Amendment 1 was not voted on.

Amndmnt 2: Change the prior amendment to strike *add a new chapter 7.0* and insert *direct the EPDT to include language in the FEP that links the stand alone initiatives document to the FEP and specifies a draft process by which the council would consider modifying the initiatives document.*

Moved By: Michele Culver

Seconded by: Dan Wolford

Amendment 2 carried unanimously.

Motion 15, as amended, carried unanimously.

Motion 16: Request input from Council advisory bodies, states, tribes, and the public on the proposed revisions to the Federal List of Fisheries and Gears in advance of FEP Completion; and have States provide "state input" (in time for the March Briefing Book draft).

Moved by: Michele Culver

Seconded by: Gway Kirchner

Motion 16 carried unanimously.

Motion 17: Adopt the following final preferred alternatives:

- Chaffing gear: alternative 1, modifying the language as recommended in the GAP statement (Agenda Item 1.5.b, November 2012).
- Safe harbors for lenders:
 - § Lending entities qualifying for an exemption: alternative 1 (PPA).
 - § Scope of exception provided: alternative 2 as modified in the GAP statement (Agenda Item 1.5.b, November 2012).
- Whiting season start date: May 15 for all sectors; removal of California early season (PPA).
- Council considers extending the transferability of widow rockfish quota share until reallocation of widow rockfish quota share is completed.

Moved by: Gway Kirchner

Seconded by: Jeff Feldner

Amndmnt 1: Insert after “extending the” the words “prohibition on”, in the prior motion.

Moved By: Frank Lockhart

Seconded by: Marija Vojkovich

Amendment 1 carried unanimously.

Motion 17 carried (Mr. Lockhart abstained).

Motion 18: Council to begin initial scoping of an EM regulatory amendment, including a discussion of the Council’s monitoring goals and objectives at the March/April Council meetings. In preparation for this meeting, we encourage a workshop that includes relevant industry and agency stakeholders that would help inform the Council’s thinking on goals and objectives as well as enforcement, management, science, and industry considerations.

Moved by: Dorothy Lowman

Seconded by: Gway Kirchner

Motion 18 carried unanimously.

Motion 19: Council sends a letter to NMFS Headquarters describing the importance of the program and support we need from them to get it into place and get the critical parts of the program fully functional.

Moved by: Marija Vojkovich

Seconded by: Buzz Brizendine

Motion 19 carried (Lockhart abstained).

Motion 20: Approve the recommendations of the Budget Committee as shown in Agenda Item F.2.b, Supplemental Budget Committee Report.

Moved by: Dorothy Lowman

Seconded by: Gway Kirchner

Motion 20 carried unanimously.

Motion 21: Council staff to incorporate the changes from Council Action under Agenda Item G.2 for inclusion in the Council Operating Procedures as Procedure 23.

Moved by: Marija Vojkovich

Seconded by: David Crabbe

Motion 21 carried unanimously.

Motion 22: Modify Council Operating Procedure 3 to add a tribal seat to the Coastal Pelagic Species Management Team and to appoint Mr. Alan Sarich to fill that seat.

Moved by: David Sones
Motion 22 carried unanimously.

Seconded by: Herb Pollard

Motion 23: Appoint the following people to the Coastal Pelagic Species Advisory Subpanel for the 2013-2015 term:

California Commercial: Mr. David Haworth, Ms. Terry Hoinsky and Mr. Nick Jurlin

Oregon Commercial: Mr. Eugene Law

Washington Commercial: Mr. Robert Zuanich

California Processor: Ms. Diane Pleschner-Steele

Oregon Processor: Mr. Mike Okoniewski

Washington Processor: Mr. Richard Carroll

California Sport/Charter: CPT Paul Strasser

Conservation: Ms. Sarah McTee

Moved by: Marija Vojkovich
Motion 23 carried unanimously.

Seconded by: Buzz Brizendine

Motion 24: Appoint the following people to the Ecosystem Advisory Subpanel for the 2013-2015 term:

California: Ms. Kathy Fosmark, Mr. Donald Maruska. Vacant

Oregon: Mr. Ben Enticknap, Mr. Scott McMullen, and Mr. Frank Warrens

Washington: Mr. Paul Dye, Dr. Terrie Klinger, and Mr. Nate Stone.

Moved by: Gway Kirchner
Motion 24 carried unanimously.

Seconded by: Dorothy Lowman

Motion 25: Modify Council Operating Procedure 2 to add a second at-large trawl seat to the Groundfish Advisory Subpanel.

Moved by: Herb Pollard
Motion 25 carried unanimously.

Seconded by: David Sones

Motion 26: Appoint the following people to the Groundfish Advisory Subpanel for the 2013-2015 term:

Fixed Gear At-Large: Mr. Bob Alverson, Ms. Michele Longo-Eder; Mr. Gerry Richter;

Bottom Trawl: Mr. Tommy Ancona

Mid-Water Trawl: Ms. Heather Mann

Trawl At-Large: Mr. Brent Paine, Mr. Kevin Dunn

Open Access South of Cape Mendocino: Mr. Daniel Platt

Open Access North of Cape Mendocino: Mr. Jeffery Miles

Processors at-Large: Ms. Susan Chambers and Mr. Tom Libby

At-Sea Processors: Mr. Dan Waldeck
California Charter South of Point Conception: Mr. Louis Zimm
California Charter North of Point Conception: Mr. Bob Ingles
Oregon Charter: Mr. Wayne Butler
Washington Charter: Mr. Mark Cedergreen
Sport Fisheries at-Large: Mr. John Holloway, Mr. Dave Seiler, and Mr. Tom Marking
Conservation: Mr. Shems Jud
Tribal: Mr. Steve Joner

Moved by: Herb Pollard
Motion 26 carried unanimously.

Seconded by: Gway Kirchner

Motion 27: Appoint the following people to the Highly Migratory Species Advisory Subpanel for the 2013-2015 term:

Commercial Troll: Mr. Wayne Heikkila
Commercial Purse Seine: Mr. August Felando
Commercial Gillnet: Mr. Steve Fosmark
Commercial Fisheries at-Large: Mr. Pete Dupuy, Mr. Doug Fricke, and Mr. William Sutton
Processor South of Cape Mendocino: Mr. Steve Foltz
Processor North of Cape Mendocino: Mr. Pierre Marchand
California Charter: Mr. Mike Thompson
Washington/Oregon Charter: Ms. Linda Buell
Private Sport: Mr. Bob Osborne
Conservation: Mr. Charles Farwell
Public At-Large: Ms. Pamela Tom

Moved by: Marija Vojkovich
Motion 27 carried unanimously.

Seconded by: Buzz Brizendine

Motion 28: Appoint the following people to the Salmon Advisory Subpanel for the 2013-2015 term:

California Troll: Mr. Aaron Newman
Oregon Troll: Mr. Paul Heikkila
Washington Troll: Mr. Jim Olson
Commercial Gillnet: Mr. Kent Martin
Processor: Mr. Gerald Reinholdt
California Charter: Mr. Craig Stone
Oregon Charter: Mr. Mike Sorenson
Washington Charter: Mr. Butch Smith
California Sport: Mr. Marc Gorelnik
Oregon Sport: Mr. Richard Heap
Washington Sport: Mr. Steve Watrous
Idaho Sport: Dr. Richard Scully
Washington Coast Tribal: Vacant
California Tribal: Mr. Dave Hillemeier

Conservation: Mr. Jim Hie

Moved by: Dale Myer
Motion 28 carried unanimously.

Seconded by: Jeff Feldner

Motion 29: Appoint the following people to the Habitat Committee for the 2013-2015 term:

Commercial Fishery: Mr. Joel Kawahara

Sport Fishery: Ms. Liz Hamilton

Conservation: Dr. Doug DeHart

Northwest or Columbia River Tribal: Vacant

California Tribal: Mr. Mike Orcutt

Public At-Large: Mr. Steve Scheiblaue

Moved by: Gway Kirchner
Motion 29 carried unanimously.

Seconded by: Jeff Feldner

Motion 30: Appoint the following people to the Scientific and Statistical Committee At-Large seats for the 2013-2015 term:

Dr. Vladena Gertseva

Dr. Selina Heppell

Dr. Daniel Huppert

Mr. Tom Jagielo

Dr. Todd Lee

Dr. Andre` Punt

Dr. William Satterthwaite

Moved by: Frank Lockhart
Motion 30 carried unanimously.

Seconded by: Dorothy Lowman

MEMBERSHIP APPOINTMENTS AND COUNCIL OPERATING PROCEDURES

During this agenda item, the Council has the opportunity to consider personnel issues with regard to changes in the Council Membership Roster, including Council Members, advisory body membership, and also any relevant changes in Council Operating Procedures (COP) or the Council's Statement of Organization, Practices, and Procedures (SOPP).

Council Members and Designees

No new resignations, nominations, or other changes were identified by the Briefing Book deadline.

Standing Council Member Committee Appointments

No new resignations, nominations, or other changes were identified by the Briefing Book deadline.

Council Advisory Body Appointments

Advisory Subpanels

Ecosystem Advisory Subpanel (EAS)

The Council is currently soliciting nominations for the vacant California seat, which should be appointed at the June 2013 meeting.

Highly Migratory Species Management Team (HMSMT)

Dr. Cisco Werner has nominated Dr. Tim Sippel to replace Dr. Suzanne Kohin in one of the National Marine Fisheries Service (NMFS) Southwest Fisheries Science Center (SWFSC) seats on the HMSMT (Closed Session A.1.a, Attachment 1).

One HMSMT NMFS SWR seat remains vacant.

Groundfish Management Team (GMT)

Dr. John Stein has nominated Dr. Ian Taylor to replace Dr. Jason Cope in the NMFS NWFSC seats on the GMT (Closed Session A.1.a, Attachment 2).

Habitat Committee (HC)

The Northwest/Columbia River Tribal seat remains vacant.

Enforcement Consultants (EC)

The NMFS Northwest Region (NWR) position remains vacant; however, Mr Dayna Matthews continues to actively serve as the Designee.

Appointments to Other Forums

No new resignations, nominations, or other changes were identified by the Briefing Book deadline.

Changes to Council Operations and Procedures

No changes were identified by the Briefing Book deadline.

Council Action:

Discuss any personnel issues with regard to appointments and operational changes to be considered for action under open session, Agenda Item F.3. Specifically consider:

- 1. The nomination of Dr. Tim Sippel to one of the NMFS SWFSC seats on the HMSMT.**
- 2. The Nomination of Dr. Ian Taylor to the NMFS NWFSC seat on the GMT.**

Reference Materials:

1. Closed Session A.1.a, Attachment 1: Nomination of Dr. Tim Sippel to one of the NMFS SWFSC seats on the HMSMT.
2. Closed Session A.1.a, Attachment 2: Nomination of Dr. Ian Taylor to the NMFS NWFSC seat on the GMT.

Agenda Order:

- a. Agenda Item Overview
 - b. Reports and Comments of Advisory Bodies and Management Entities
 - c. Public Comment
 - d. **Council Action:** Consider Changes to Council Operating Procedures and Appointments to Advisory Bodies
- Chuck Tracy

PFMC
03/22/13

FUTURE COUNCIL MEETING AGENDA AND WORKLOAD PLANNING

This agenda item is intended to refine general planning for future Council meetings, especially in regard to finalizing the proposed agenda for the June 2013 Council Meeting. The following primary attachments are intended to help the Council in this process:

1. An abbreviated display of potential agenda items for the next full year (Attachment 1).
2. A preliminary proposed June 2013 Council meeting Agenda (Attachment 2).

The Executive Director will assist the Council in reviewing the proposed agenda materials and discuss any other matters relevant to Council meeting agendas and workload. After considering supplemental material provided at the Council meeting, and any reports and comments from advisory bodies and public, the Council will provide guidance for future agenda development, a proposed June Council meeting agenda, and workload priorities for Council staff and advisory bodies.

Council Action:

- 1. Review pertinent information and provide guidance on potential agenda topics for future Council meetings.**
- 2. Provide final guidance on a proposed agenda for the June Council meeting.**
- 3. Identify priorities for advisory body considerations at the next Council meeting.**

Reference Materials:

1. Agenda Item B.7.a, Attachment 1: Pacific Council Workload Planning: Preliminary Year-at-a-Glance Summary.
2. Agenda Item B.7.a, Attachment 2: Preliminary Proposed Council Meeting Agenda, June 20-25, 2013 in Garden Grove, California.

Agenda Order:

- a. Agenda Item Overview
- b. Reports and Comments of Advisory Bodies and Management Entities
- c. Public Comment
- d. Council Discussion and Guidance on Future Meeting Agenda and Workload Planning

Don McIsaac

PFCM
03/22/13

Pacific Council Workload Planning: Preliminary Year-at-a-Glance Summary					
(Parenthetical numbers mean multiple items per topic; shaded Items may be rescheduled re workload priorities; deletions= struck-out; underline=new)					
★	★	<u>June 20-25, 2013</u>	<u>September 11-17, 2013</u>	<u>November 1-6, 2013</u>	<u>March 8-13, 2014</u>
		(Garden Grove)	(Boise)	(Costa Mesa)	(Sacramento)
★	★	<u>April 5-10, 2014</u>			
		(Vancouver)			
Groundfish	May 5-11: Hosting Annual CCC Meeting and Managing Our Nations Fisheries 3 National Conference, Washington, DC	NMFS Rpt Final Action on Sardine Hrvst Parameter Changes Report and Action on Monitored/Managed Stocks Esp. Mackerel		NMFS Rpt Sardine Asmnt & Mgmt Meas. EFP Notice of Intent for 2014	Sardine Methodology Review EFPs: Final Recommendations
		NMFS Report Inseason Mgmt Approve Stock Assessments Consider Spx,Mgmt Measures, & NEPA Process in 15-16 & Beyond Sablefish ownership PPA Status of Rationalized Fisheries Inc. Economic Data Rpt Stock Cmplx PPA/FPA Midwater Sport Fishery Trawl Trailing Actions: Guide Reg Dvlpmnt; Electronic Monitoring Seabird Protect Regs Prelim	NMFS Report Inseason Mgmt Approve Stock Assessments Plan Science Improvements Initial Actions for Setting Fisheries in 2015 & Beyond Sablefish ownership FPA Stock Cmplx FPA Seabird Protection Regs Final	NMFS Report Inseason Mgmt Stock Assessment Clean-up & Rebuilding Analyses Further Actions for Setting Fisheries in 2015 & Beyond Preliminary EFP Approval Trawl Trailing Actions EFH Phase 2: Accept Proposals for Further Consideration	NMFS Report Inseason Mgmt Pacific Whiting Update Adopt Tent Biennial Spex & Mgmt Measures (2) Pac Whiting Spx & Meas. Status of Rationalized Fishery Trawl Trailing Actions Initiate EFH Amendment As Necessary
HMS		NMFS Report Preliminary EFP Approval US-Canada Albacore Update Bluefin Tuna Precautionary Regs Percautionary Albacore Framework	NMFS Report Final EFP Approval	NMFS Report Input to International RFMO	NMFS Report US-Canada Albacore Update Internat'l RFMO Matters Including Northern Committee Albacore Decision Rules & IATTC DGN Monitoring, Mgmt & Alt Gear Rpt
Salmon			NMFS Report Method Rev: Adopt Priorities	NMFS Rpt 2013 Method Rev.--Final 2014 Preseason Mgmt Schd	NMFS Rpt Approve Review, Forecasts, SDC, and ACLs Approve Rebuilding Plans (if necessary) 2014 Season Setting (4)
Other		Routine Admin (11) Habitat Issues MONF 3 Report CMSP Update Unmanaged Forage Fish Protection VMS Declaration Reg FPA	Routine Admin (11) Habitat Issues Tri-State Enforcement Rpt P. Halibut: CSP Change Alts P. Halibut Bycatch Estimate	Routine Admin (11) Habitat Issues Federal Enforcement Priorities P. Halibut: Final CSP Changes Ocean Obs Initiative Prog Rpt CA Current Ecosystem Rpt Int Ecosystem Assessment Rpt IEA Wkshp Rpt	Routine Admin (9) Habitat Issues P. Halibut: Prelim Incidntl Regs P. Halibut: IPHC MTG
					2014 Method Rev.--Identify Topics 2014 Season Setting (3)
Apx. Floor Time	★★	5.6 days	4.6 days	5.25 days	5.25 days
					4 days

Agenda Item B.7.a
 Attachment 1
 April 2013

PRELIMINARY PROPOSED PACIFIC COUNCIL MEETING AGENDA, JUNE 18-25, 2013 IN GARDEN GROVE, CALIFORNIA

(SHADED ITEMS ARE TENTATIVE)

	Thu, Jun 20	Fri, Jun 21	Sat, Jun 22	Sun, Jun 23	Mon, Jun 24	Tue, Jun 25
	A. CALL TO ORDER 8 AM 1-4. Opening Remarks, Roll Call, ED Report, Approve Agenda (30 min) <hr/> B. OPEN COMMENT 1. Comments on Non-Agenda Items (30 min) <hr/> ADMINISTRATIVE 1. Coastal Marine Spatial Planning Update (1 hr) 2. MONF 3 and CCC Mtg Report (1 hr 30 min) <hr/> HABITAT 1. Current Habitat Issues (45 min) <hr/> ENFORCEMENT 1. VMS Declaration Regulations: Adopt FPA (30 min) <hr/> HIGHLY MIGRATORY SPECIES 1. NMFS Report (1 hr) 2. U.S.-Canada Albacore Update (1 hr) <hr/> CLOSED EXECUTIVE SESSION Discuss Litigation & Personnel Matters (1 hr)	HIGHLY MIGRATORY SPECIES 3. Precautionary Bluefin Tuna Regs (1 hr) 4. Precautionary Albacore Framework (1 hr 30 min) 5. Preliminary EFP Approval (30 min) <hr/> GROUNDFISH 1. NMFS Report (1 hr) 2. Status of Rationalized Fisheries (1 hr) 3. Midwater Sport Fishery (1 hr) 4. Approve Stock Assessments (1 hr 30 min)	GROUNDFISH 4. Continue with: Approve Stock Assessments (1 hr) 5. Adopt Stock Complex PPA or FPA (3 hr 30 min) 6. Sablefish Ownership: Adopt FPA (2 hr) 7. Adopt Preliminary Seabird Protection Regulations (1 hr) <hr/> ADMINISTRATIVE 3. Legislative Matters (30 min)	GROUNDFISH 8. Trawl Rationalization Trailing Actions: Guidance on Regulation Development; Electronic Monitoring (2 hr) 9. Consider Spx, Mgmt Measure, & NEPA Process for 2015-2016 & Beyond (may be split into several different agenda items) (5 hr)	ECOSYSTEM BASED MANAGEMENT 1. Unmanaged Forage Fish Protection (2 hr 30 min) <hr/> GROUNDFISH 9. Continue with: Consider Spx, Mgmt Measure, & NEPA Process for 2015-2016 & Beyond (may be split into several different agenda items) (3 hr) 10. Consideration of Inseason Adjustments (2 hr) <hr/> ADMINISTRATIVE 4. Approve Council Minutes (15 min) 5. Fiscal Matters (15 min)	COASTAL PELAGIC SPECIES 1. NMFS Report (30 min) 2. Final Action on Sardine Harvest Parameters Changes (2 hr) 3. Report & Action on Monitored/Managed Stocks, Especially Pacific Mackerel (1 hr 30 min) <hr/> ADMINISTRATIVE 6. Membership Appointments & COPs (Including Council Chair & Vice Chair (15 min) 7. Future Council Meeting Agenda & Workload Planning (45 min)
Tue, Jun 18						
8 am SSC GF SubCm & STAR Panel Updates						
Wed, Jun 19	7.75 hr	7.5 hr	8hr	7 hr	8 hr	5 hr
8 am HC 8 am GAP & GMT 8 am HMSAS & MT 8 am SSC 1 pm LC 2 pm BC 4 pm Chair's Briefing	7 am State Delegations 8 am GAP & GMT 8 am HMSAS & MT 8 am SSC 8 am EC 6 pm Chair's Reception	7 am State Delegations 8 am GAP & GMT 8:30 am SSC Econ Subcom As Necessary EC	7 am State Delegations 8 am GAP & GMT 8 am EAS As Necessary EC	7 am State Delegations 8 am GAP & GMT 8 am CPSAS and CPSMT 8 am EAS As Necessary EC	7 am State Delegations 8 am CPSAS & CPSMT As Necessary EC	7 am State Delegations

Agenda Item B.7.a
Attachment 2
April 2013

Pacific Council Workload Planning: Preliminary Year-at-a-Glance Summary							
(Parenthetical numbers mean multiple items per topic; shaded Items may be rescheduled re workload priorities; deletions= struck-out; underline=new)							
	★ ★	<u>June 20-25, 2013</u> (Garden Grove)	<u>September 11-17, 2013</u> (Boise)	<u>November 1-6, 2013</u> (Costa Mesa)	<u>March 8-13, 2014</u> (Sacramento)	<u>April 5-10, 2014</u> (Vancouver)	
CPS	May 5-11: Hosting Annual CCC Meeting and Managing Our Nations Fisheries 3 National Conference, Washington, DC	NMFS Rpt Final Action on Sardine Hrvst Parameter Changes Final Action on Sardine Fishery Start Date		NMFS Rpt Sardine Asmnt & Mgmt Meas. EFP Notice of Intent for 2014	Sardine Methodology Review EFPs: Final Recommendations	Sardine Asmnt & Mgmt Meas.	
		Mackerel Status and Mgmt Measures					
Groundfish		NMFS Report Inseason Mgmt Approve Stock Assessments Consider Spx, Mgmt Measures, & NEPA Process in 15-16 & Beyond Sablefish ownership PPA Status of Rationalized Fisheries Inc. Economic Data Rpt Stock Cmplx PPA/FPA Midwater Sport Fishery Trawl Trailing Actions: Guidance on Reg Dvlpmnt; Elec Monitoring Check-in Meth Rev Process Discussion Seabird Protect Regs Prelim	NMFS Report Inseason Mgmt Approve Stock Assessments 2 Initial Actions for Setting Fshries in 15-16 & Beyond Plan Science Improvements Sablefish ownership PPA Seabird Protection Regs Final Stock Cmplx FPA	NMFS Report Inseason Mgmt Stock Assessment Clean-up & Rebuilding Analyses Further Actions for Setting Fshries in 15-16 & Beyond Preliminary EFP Approval Sablefish ownership FPA Stock Cmplx FPA	NMFS Report Inseason Mgmt Pac Whiting Spx & Meas. Status of Rationalized Fishery (replace with RTC Info Report)	NMFS Report Inseason Mgmt Pacific Whiting Update Pac Whiting Spx & Meas. Adopt Final Biennial Spex & PPA Mgmt Measures (2)	
				Trawl Trailing Actions Electronic Monitoring: Finalize Perf Stds Doc & Adopt ROA	Trawl Trailing Actions	Trawl Trailing Actions	
				EFH Phase 2 Report and Options for Further Consideration	Initiate EFH Amendment As Necessary		
HMS		NMFS Report Preliminary EFP Approval US-Canada Albacore Update Bluefin Tuna Precautionry Regs Percautionary Albacore Framework	NMFS Report Final EFP Approval	NMFS Report Input to International RFMO	NMFS Report US-Canada Albacore Update Internat'l RFMO Matters Including Northern Committee Albacore Decision Rules & IATTC DGN Monitoring, Mgmt & Alt Gear Rpt		
Salmon			NMFS Report Method Rev: Adopt Priorities A18 EFH: Adopt FPA Cormorant Mgmt Plan Cmmts	NMFS Rpt 2013 Method Rev.--Final 2014 Preseason Mgmt Schd	NMFS Rpt Approve Review, Forecasts, SDC, and ACLs Approve Rebuilding Plans (if necessary) 2014 Season Setting (4)	2014 Method Rev.--Identify Topics 2014 Season Setting (3)	
Other		Routine Admin (11) Habitat Issues Update List of Fisheries MONF 3 and CCC Mtg Report CMSP Update Unmanaged Forage Fish Protection VMS Declaration Reg FPA and Other Issues	Routine Admin (11) Habitat Issues Tri-State Enforcement Rpt P. Halibut: CSP Change Alts P. Halibut Bycatch Estimate	Routine Admin (11) Habitat Issues Federal Enforcement Priorities P. Halibut: Final CSP Changes Ocean Obs Initiative Prog Rpt CA Current Ecosystem Rpt Int Ecosystem Assessment Rpt IEA Wkshp Rpt	Routine Admin (9) Habitat Issues P. Halibut: Prelim Incidntl Regs P. Halibut: IPHC MTG	Routine Admin (10) Habitat Issues Annual USCG Fishery Enf. Rpt P. Halibut: Final Incidental Regs Ocean Observation Initiative Rpt	
Apx. Floor Time		★ ★	5.7 days	5.5 days	5.8 days	4.5 days	4.5 days

Agenda Item B.7.a
 Supplemental Attachment
 3 April 2013

PRELIMINARY PROPOSED PACIFIC COUNCIL MEETING AGENDA, JUNE 18-25, 2013 IN GARDEN GROVE, CALIFORNIA

(SHADED ITEMS ARE TENTATIVE)

	Thu, Jun 20	Fri, Jun 21	Sat, Jun 22	Sun, Jun 23	Mon, Jun 24	Tue, Jun 25
	A. CALL TO ORDER 8 AM 1-4. Opening Remarks, Roll Call, ED Report, Approve Agenda (30 min) <hr/> B. OPEN COMMENT 1. Comments on Non-Agenda Items (30 min) <hr/> ADMINISTRATIVE 1. MONF 3 and CCC Mtg Report (1 hr 30 min) 2. Approve Council Minutes (15 min) <hr/> HIGHLY MIGRATORY SPECIES 1. NMFS Report (1 hr) 2. U.S.-Canada Albacore Update (1 hr) 3. Preliminary EFP Approval (30 min) <hr/> ENFORCEMENT 1. VMS Declaration Regulations FPA and Other Issues (1 hr 30 min) <hr/> CLOSED EXECUTIVE SESSION Discuss Litigation & Personnel Matters (1 hr)	HIGHLY MIGRATORY SPECIES 4. Precautionary Bluefin Tuna Regs (1 hr) 5. Precautionary Albacore Framework (1 hr 30 min) <hr/> GROUNDFISH 1. NMFS Report (1 hr) 2. Status of Rationalized Fisheries (1 hr) 3. Midwater Sport Fishery (1 hr) 4. Approve Stock Assessments (1 hr 45 min) <hr/> HABITAT 1. Current Habitat Issues (45 min)	GROUNDFISH 4. Continue with: Approve Stock Assessments (45 min) 5. Trawl Rationalization Trailing Actions: Guidance on Regulation Development; Elec Monitoring Check-in (3 hr) 6. Adopt Preliminary Seabird Protection Regulations (1 hr) 7. Methodology Rev Process Discussion (1 hr 30 min) <hr/> ADMINISTRATIVE 3. Coastal Marine Spatial Planning Update (1 hr) 4. Legislative Matters (30 min) 5. Fiscal Matters (15 min)	GROUNDFISH 8. Sablefish Ownership: Adopt PPA (2 hr) 8. Consider Spx, Mgmt Measure, & NEPA Process for 2015-2016 & Beyond (may be split into several different agenda items) (54 hr) 9. Adopt Stock Complex PPA or FPA (4 hr)	GROUNDFISH 9. Continue with: Consider Spx, Mgmt Measure, & NEPA Process for 2015-2016 & Beyond (may be split into several different agenda items) (3 hr) 9. Continue With Adopt Stock Complex PPA or FPA (1 hr 30 min) 10. Consideration of Inseason Adjustments (2 hr) <hr/> ADMINISTRATIVE 6. Update List of Fisheries (1 hr) <hr/> ECOSYSTEM BASED MANAGEMENT 1. Unmanaged Forage Fish Protection (3 hr) <hr/> COASTAL PELAGIC SPECIES 1. NMFS Report (30 min)	COASTAL PELAGIC SPECIES 2. Final Action on Sardine Harvest Parameters Changes (2 hr) 3. Final action on Sardine Fishery Start Date (1 hr 30 min) 4. Pacific Mackerel Status and Management Measures (1 hr) <hr/> ADMINISTRATIVE 7. Membership Appointments & COPs (Including Council Chair & Vice Chair (15 min) 8. Future Council Meeting Agenda & Workload Planning (45 min)
Tue, Jun 18						
8 am SSC GF SubCm & STAR Panel Updates						
Wed, Jun 19	7.75 hr	8 hr	8 hr	8 hr	8 hr	5.5 hr
8 am GAP & GMT 8 am HMSAS & MT 8 am SSC 1 pm LC 2 pm BC 4 pm Chair's Briefing 5 pm EC	7 am State Delegations 8 am GAP & GMT 8 am HMSAS & MT 8 am SSC 8 am HC 6 pm Chair's Reception As Necessary EC	7 am State Delegations 8 am GAP & GMT 8:30 am SSC Econ Subcom As Necessary EC	7 am State Delegations 8 am GAP & GMT 8 am EAS As Necessary EC	7 am State Delegations 8 am GAP & GMT 8 am CPSAS and CPSMT 8 am EAS As Necessary EC	7 am State Delegations 8 am GAP & GMT 8 am CPSAS & CPSMT As Necessary EC	7 am State Delegations

Supplemental Attachment 4
April 2013
Agenda Item B.7.a

GROUND FISH ADVISORY SUBPANEL REPORT ON
FUTURE COUNCIL MEETING AGENDA AND WORKLOAD PLANNING

The Groundfish Advisory Subpanel (GAP) considered several issues with regard to future workload planning and has the following comments:

- 1 **For June:** The GAP requests time be made on the June 2013 Council agenda for reconsideration of a Program Improvement and Enhancement (PIE) II issue.

Currently, the individual fishing quota (IFQ) regulations restrict the transfer of quota pounds (QP) beginning on Dec. 15 of each year. The Council took action last year to change that date to Dec. 31 of each year. The GAP would like the Council to reconsider this change and set the date when transfers would be restricted as two weeks – or some time yet to be determined – following the date on which the last observer data has been added into the system. This date would be early in the following year. This would allow the transfer of past year QP to cover any deficits that may occur in the last days of the calendar year or that may occur as a result of the addition of observer data early in the following year.

- 2 **For June:** Currently, the Oregon recreational midwater fishery issue is tentatively scheduled for the June agenda. The GAP would like to ensure this issue is on the final June agenda.
- 3 **Ongoing:** Given the interest so far in efforts to devise successful electronic monitoring (EM) systems, the GAP requests the Council make time on its June 2013 agenda and continue to consider updates during subsequent meeting agendas to work on this important issue.
- 4 **For September:** The GAP recommends putting barotrauma on the September agenda to evaluate the states' implementation plans so this can be refined before the RecFIN technical committee meets in October. This will allow for quicker implementation of mortality rates associated with descending devices in recreational fisheries.

GROUND FISH MANAGEMENT TEAM REPORT ON THE FUTURE COUNCIL MEETING AGENDA AND WORKLOAD PLANNING

The GMT reviewed Agenda Item B.7.a. Attachment 1, Preliminary Year-at-a Glance Summary and Agenda Item B.7.a. Attachment 2, Preliminary Proposed Council Meeting Agenda, June 20-26, 2013 in Garden Grove, CA, and offers the following regarding upcoming Council meetings and anticipated workload for GMT members for Council consideration.

The GMT would like some guidance on prioritization for Agenda Items at the June Council meeting. There are currently 10 groundfish agenda items, as well as several other agenda items, that the GMT may be following. Detailed discussions and statements from the GMT on each agenda item are not feasible. Table 1 has the GMT's attempt at some prioritization. The GMT requests specific guidance if the Council has different expectations than what is shown. As above, we request that Council staff has the flexibility to adjust team priorities and schedules if new issues develop.

Additionally, the GMT, or subgroup of, would like to meet, either in person or via webinar, to prepare further analysis and/or documentation for the stock complex reorganization agenda item, in time for the briefing book deadline for the June 2013 council meeting. We will work with Council staff to determine the timing and location of that meeting, and to get the meeting noticed.

Table 1 . June 2013 Agenda Items that the GMT may be tracking.

Groundfish Agenda Items	Council Floor	GMT Statement?	GMT Priority^a
1. NMFS Report	Fri	maybe	
2. Status of Rationalized Fisheries	Fri	maybe	
3. Midwater Sport Fishery	Fri	yes	*
4. Approve Stock Assessments	Fri/Sat	yes	*
5. Adopt Stock complex PPA	Sat	yes	*
6. Sablefish Ownership: PPA	Sat	maybe	
7. Adopt Preliminary Seabird Protection	Sat	likely	

Regulations			
8. Trawl Rationalization Trailing Actions	Sun	likely	*
9. Consider SPEX MGT Measures, & NEPA process for 2015-16 and beyond (may be split into several different agenda items)	Sun/Mon	yes	*
10. Inseason	Mon	yes	*
Non-Groundfish Agenda Items			
Enforcement: VMS Declarations	Thu	no	
Future workload planning	Tue	maybe	
Total Potential Statements by the GMT		11	
^a The Council has final say in priority of Agenda Items, this is what the GMT thinks are the higher priority agenda items, provided to help inform the Council decision.			

SALMON ADVISORY SUBPANEL REPORT ON Future Council Meeting
Agenda and Workload Planning

The Salmon Advisory Subpanel (SAS) received a presentation from Ms. Sondra Ruckwardt on April 8th regarding an Environmental Impact Statement (EIS) being prepared by the U.S. Army Corps of Engineers (USACE) in conjunction with the U.S. Fish and Wildlife Service on the predation of juvenile salmonids by double-crested cormorants in the Columbia River estuary.

The SAS feels that avian predation of salmonids in the Columbia River is an important resource issue and encourages the Council to engage in this current effort regarding double-crested cormorants. Ms. Ruckwardt reported that it is likely that the draft EIS will be made publicly available in August with a 30-day public comment period. The SAS anticipates that the USACE will release the document so that the public comment period includes the Council's September Council meeting so that the Council would have sufficient opportunity to comment. Therefore, the SAS recommends that the Council tentatively schedule an agenda item on this topic for the September 2013 Council meeting.

PFGC
04/11/13



March 31, 2013

Mr. Dan Wolford, Chair
Pacific Fishery Management Council
7700 NE Ambassador Place, Suite 101
Portland, OR 97220

RE: Agenda Item D.7 Trawl Rationalization Trailing Actions – Electronic Monitoring Regulatory Process and B.7 Future Council Meeting Agenda and Workload Planning.

Dear Chairman Wolford and Council Members:

I would like to commend the work of Council staff, especially Mr. Jim Seger in organizing a successful workshop on the potential use of electronic monitoring technologies in the Pacific groundfish IFQ fishery. Not only was the workshop well attended, but the significant preparatory work allowed for a collaborative and open discussion of some of the most pressing issues and questions to be addressed before the Council can move forward with refining the fishery's monitoring program. With the understanding that the Council will be reviewing the outcomes of the monitoring workshop and recommending next steps both for research and approval of a possible regulatory amendment process, Environmental Defense Fund (EDF) would like to provide the following comments to inform your discussion.

EDF is a non-profit organization with over 750,000 members and as you know, we have been involved in the development of the West Coast groundfish catch share program since its inception in 2003. From the outset we have worked closely with stakeholders to ensure that the program meets conservation, social, and economic objectives. As you will recall, during the November 2012 Council meeting, the Groundfish Advisory Subpanel (GAP) identified electronic monitoring (EM) as its highest priority for trailing actions, stating that EM would likely reduce program costs and increase operational flexibility. **EDF agrees that EM should remain a high priority, not only for the reasons highlighted by the GAP, but also to ensure this fishery is able to maintain a high level of accountability and robust collection of fisheries data moving into the future.** We are concerned that as operational costs mount and as agency resources are further constrained the fishery will either see a reduction in the diversity of participating vessels and ports, or a reduction in the 100% monitoring currently in place. By allowing for flexibility in the monitoring tools employed for compliance and catch accounting purposes, the Council will help to ensure monitoring is not only cost-efficient, but also employs the best, most effective tools to meet monitoring objectives and standards.

Reviewing the Year-at-a-Glance Summary, Agenda Item F.4.a Supplemental Attachment 3 from the March 2013 briefing book, I note there is no mention of electronic monitoring after the April 2013 Council meeting. Although future work will be determined by decisions made at the April meeting, the timeline adopted in June 2012 and refined during the February EM workshop (PFMC EM Workshop Agenda Item F Attachment 1 – Draft Calendar) leave very little room for

slippage. As the timeline currently stands, should the Council decide at this meeting to move forward to scope a regulatory amendment, the earliest such an amendment would come into effect is January 2016. **We therefore strongly encourage the Council to consider the various steps necessary to continue progress on this issue (including scoping, review of ongoing research, and development of alternatives to be analyzed) and take action under agenda item B.7 Future Council Meeting Agenda and Workload Planning to include EM as one of the trailing actions addressed during upcoming Council meetings.**

One of the recommendations discussed during the February workshop was the need to establish a work group focused specifically on EM. **Given the importance of optimizing the Council's time and resources, EDF supports the recommendation to convene a small EM working group, with those appointments occurring during the June Council meeting.** Establishing a working group will help ensure full scoping is carried out this summer, contribute to the further development of the EM strawmen, identify additional options, standards, or considerations for EM deployment, and provide guidance on future research priorities for the various sectors of the groundfish IFQ fleet.

The Council and Pacific stakeholders are fortunate to have the Pacific States Marine Fishery Commission (PSMFC) guiding research in the application of EM for this fishery. As was pointed out during the recent EM Workshop, this relationship is rare and one that should be capitalized on. **It is our hope that the Chair, or a designated representative, of the Scientific and Statistical Committee (SSC) can be appointed to serve as an official liaison with PSMFC.** This will ensure Council concerns and needs are taken into account in the deployment of gear and analysis of EM data for the 2013 field season. Increased collaboration may also help streamline or facilitate SSC consideration and review of study results.

Thank you for your time and consideration of these comments. We hope they are helpful as you consider the importance of advancing the use of EM tools in this fishery and prioritize upcoming work for the Council.

Sincerely,

A handwritten signature in purple ink, appearing to be 'SJ' with a stylized flourish.

Shems Jud
Deputy Director, Pacific Oceans Program
Environmental Defense Fund