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Council Member Ongoing Development Meeting November 15-16, 2022







Strengthening Scientific Input and Ecosystem-Based Fishery Management for the Pacific and North Pacific Fishery Management Councils

Suggestions from a panel discussion July 19-20, 2005 Seattle, Washington

Panel
Richard Marasco (chair)
Daniel Goodman
Churchill Grimes
Peter Lawson
André Punt
Terry Quinn

with assistance from Dave Hanson Fran Recht Jodie Little



Pacific States Marine Fisheries Commission





FISHERY ECOSYSTEM PLAN OF THE SOUTH ATLANTIC REGION

VOLUME I: INTRODUCTION AND OVERVIEW

April 2009

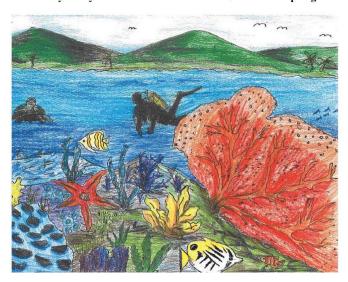
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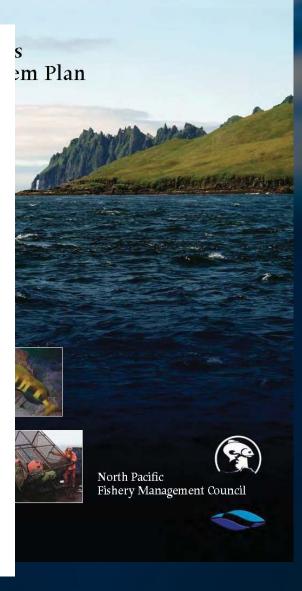


Fishery Ecosystem Plan for the American Samoa Archipelago



Western Pacific Regional Fishery Management Council 1164 Bishop Street, Suite 1400 Honolulu, Hawaii 96813

Cover Artwork Courte of Henry M. Ventura, Simon Sanchez High School, . Guam



INFORM BUT DO NOT OVERWHELM

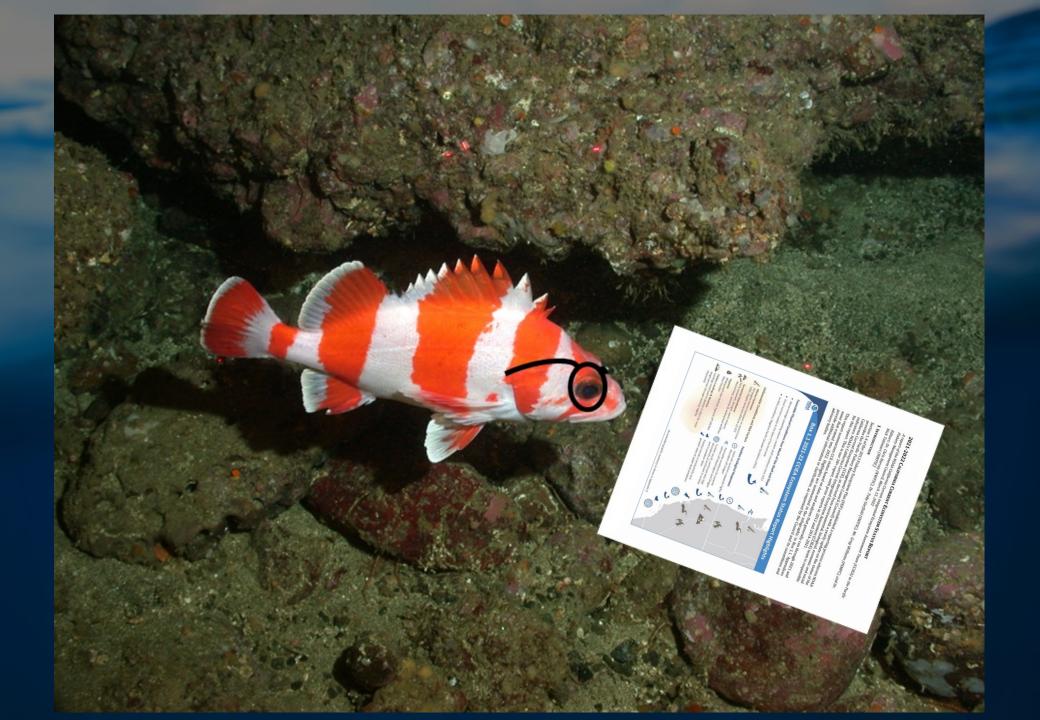
Each year at the Council's March meeting, the Council and its advisory bodies will:

review progress to date on any ecosystem initiatives the Council already has underway;

- •review the list of potential ecosystem initiatives provided in Appendix A to the FEP and determine whether any of those initiatives merit Council attention in the coming year;
- •if initiatives are chosen for Council efforts, request background materials from the appropriate entities;
- •in March 2015 and in each subsequent oddnumbered year, assess whether there are new ecosystem initiative proposals that could be added to the appendix; and
- •in March 2018, assess whether to initiate a review and update of the FEP.

In support of its ecosystem-based management processes, the Council has requested that NMFS, in coordination with other interested agencies, provide it with an annual state-of-the-ecosystem report at each of its March meetings, beginning in March 2014. The Council asked that the report:

be bounded in terms of its size and page range to about 20 pages in length, and not wait for the "perfect" science to become available, should there be scientific information that does not come with definitive answers and numbers, but which may be useful for the Council to consider.



Fortune and Favor Increases **Box of Chocolates** · Mostly favorable conditions for A world of environmental surprises and fish and fisheries extremes, but where stock levels · Many stocks shift increase on average · Regular "boom and bust" cycles for northward in predictable some key stocks ways · Few severe extreme events · New technology is Societal values move away deployed to better monitor from globalization, instead the unpredictable Species encourage collective environment support of local fishing Seafood marketing becomes more difficult because of the high variability in availability ab ocean conditions Climate and Mostly steady Highly variable changes, few conditions, many nce/availability extreme events extreme events **Blue Revolution Hollowed Out** · Unpredictable and extreme shifts in Warmer climate/ocean ocean conditions lead to a conditions, but little variability fundamental reorganization of the Familiar stocks gradually CCE food web decline but new subtropical and · Extreme storms and rising tides create tropical species appear in the regular and damaging inundations southern CCE Only a few stocks remain at harvestable levels Open, globalized commerce encourages alternative uses of and most commercial fisheries suffer The nature of coastal activity changes as some ocean resources Decreases places are neglected, others become fortified, · Aquaculture and offshore

energy puts pressure on commercial fishing

commercial hub

PACIFIC COAST FISHERY ECOSYSTEM PLAN

For the U.S. Portion of the California Current Large Marine Ecosystem

March 2022

Pacific Fishery Management Council 7700 NE Ambassador Place, Suite 101 Portland OR 97220



ECOSYSTEM INITIATIVES

APPENDIX TO THE

PACIFIC COAST

FISHERY ECOSYSTEM PLAN

FOR THE U.S. PORTION OF THE CALIFORNIA CURRENT LARGE MARINE ECOSYSTEM

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2021-2022 CALIFORNIA CURRENT ECOSYSTEM STATUS REPORT

A report of the NOAA California Current Integrated Ecosystem Assessment Team (CCIEA) to the Pacific Fishery Management Council, March 13, 2022

Editors: Dr. Chris Harvey (NWFSC), Dr. Toby Garfield (SWFSC), Mr. Greg Williams (PSMFC), and Dr. Nick Tolimieri (NWFSC)

1 INTRODUCTIO

Section 1.4 of the 2013 Fishery Ecosystem Plan (FEP) established a reporting process wherein NOAA provides the Pacific Fishery Management Council (Council) with a yearly update on the status of the California Current Ecosystem (CCE), as derived from environmental, biological, economic and social indicators. NOAA's California Current Integrated Ecosystem Assessment (CCIEA) team is responsible for this report. This is our 10th report, with prior reports in 2012 and 2014-2021.

This report summarizes CCE status based on data and analyses that generally run through 2021 and some that extend into 2022. Highlights are summarized in the infographic in Box 1.1. Appendices provide additional information or clarification, as requested by the Council and its committees and advisory bodies.



The Pacific Fishery Management Council envisions a thriving and resilient California Current Ecosystem that continues to provide benefits to current and future generations and supports livelihoods, fishing opportunities, and cultural practices that contribute to the wellbeing of fishing communities and the nation.