

**Subject:** D3 - Pribilof Canyon corals  
**From:** Lance Morgan <Lance.Morgan@marine-conservation.org>  
**Date:** 12/2/2014 3:09 PM  
**To:** "npfmc.comments@noaa.gov" <npfmc.comments@noaa.gov>

Chairman Dan Hull

Council Members

North Pacific Fishery Management Council

605 West 4<sup>th</sup> Avenue, Suite 306

Anchorage, AK 99501-2252

RE: D3 - Pribilof Canyon corals

Dear Chairman Hull and Council Members,

On behalf of Marine Conservation Institute I would like to submit the attached Scientists' Letter calling on President Obama to strongly protect at least 20% of each biogeographic province in US waters in no-take marine reserves. Despite the many significant and consequential efforts to manage fisheries, fishing's impacts on the ecosystem cannot be managed without reserves being one of the tools we use. The 600 marine scientist signers from around the world are encouraging us to protect at least 20% of coastal and marine ecosystems and at the recently concluded IUCN World Parks Congress, delegates called for protection of 30% of marine coastal habitats to be effectively managed in marine protected areas. Currently there are no marine reserves in Alaskan waters to help maintain and recover fisheries or provide safe havens for marine life. The NPFMC can take important steps to providing a lasting legacy for native Alaskans, fishing communities and marine life by protecting the Bering Sea Canyons.

Thank you for the opportunity to comment on this agenda item.

Sincerely,

**Lance Morgan, PhD**

*President and CEO*

Lance.Morgan@marine-conservation.org



14301 Arnold Drive, Suite 25

Glen Ellen CA 95442 USA

+1 707 938 3214



+1 707 217 8242 (mobile)

Marine Conservation Institute

*Saving wild ocean places, for us and future generations*



—Attachments:—

Scientists letter\_marine reserves\_12-2-2014.pdf

296 KB



Dear President Obama,

Marine life and the essential ecological services oceans provide are increasingly threatened by human activities including climate change and ocean acidification. For several decades marine scientists have recognized the value of no-take marine reserves for safeguarding marine life. In 1998, Marine Conservation Institute and 1,605 marine scientists issued the “Troubled Waters: A Call for Action” statement (Appendix 1) calling on the world to protect 20% of every marine biogeographic region to save the sea’s biodiversity. In 2001, the National Center for Ecological Analysis and Synthesis issued its “Scientific Consensus Statement on Marine Reserves and Marine Protected Areas”, outlining the striking ecological benefits for marine life within and outside of no-take reserves and the effects of ecological networks (Appendix 2).

An extensive scientific literature now shows compelling evidence that strongly protected marine reserves are powerful ways of conserving biodiversity. In addition, no-take reserves can create jobs and bring in new economic revenue through ecotourism and enhancement of local fisheries through spillover beyond reserve boundaries. Finally, no-take reserves provide resilience against the impacts of climate change and ocean acidification. Whereas the unprotected ocean is like a debit account where everybody withdraws and nobody deposits, marine reserves are like savings accounts that produce interest we can live off.

The United States and several states (most notably California) have designated many marine protected areas. Multiple-use areas designated to protect natural or cultural heritage now cover about 8% of U.S. waters. But no-take reserves cover less than 3% of the approximately 4.4 million square mile U.S. Exclusive Economic Zone. As a nation we need to do better.

Acknowledging this progress and the growing impacts that humans are having on our marine ecosystems and the fisheries they support, we, the undersigned scientists, call on the United States government to dramatically accelerate protections for U.S. waters. Protecting 20% of habitats across all biogeographic regions in no-take reserves will provide the resilience needed to ensure America’s ongoing interest in healthy oceans.

Sincerely,

Enric Sala, PhD National Geographic Society  
Sylvia Earle, PhD Mission Blue and National Geographic Society  
Steve Gaines, PhD Bren School of Environmental Science & Management  
Carl Safina, PhD The Safina Center (formerly Blue Ocean Institute)  
Callum Roberts, PhD University of York  
Boris Worm, PhD Dalhousie University  
Daniel Pauly, PhD University of British Columbia



Paul Dayton, PhD University of California San Diego  
Benjamin S. Halpern, PhD Bren School University of California Santa Barbara  
Lance Morgan, PhD Marine Conservation Institute  
Rashid Sumaila, PhD University of British Columbia  
Makoto Tsuchiya, PhD University of the Ryukyus, Japan  
Oran Young, PhD Bren School University of California Santa Barbara  
Michael F. Hirshfield, PhD Oceana  
Jeremy Jackson, PhD Smithsonian Institution and Scripps Institution of Oceanography  
Jesse Ausubel, PhD The Rockefeller University  
Stuart Pimm, PhD Duke University  
William Cheung, PhD University of British Columbia  
John A. Cigliano, PhD Cedar Crest College  
Andrea Sáenz-Arroyo, PhD El Colegio de la Frontera Sur (ECOSUR)  
Rodrigo H. Bustamante, PhD Charles Darwin Foundation for the Galapagos Islands  
Peter Mumby, PhD University of Queensland  
Ellen K. Pikitch, PhD Stony Brook University  
Jason Hall-Spencer, PhD Plymouth University, UK  
David Obura, PhD CORDIO East Africa  
Bob Pressey, PhD James Cook University  
Geraldine Knatz, PhD University of Southern California  
Michael K. Orbach, PhD Duke University  
Claudio Campagna, PhD Wildlife Conservation Society  
Linwood H Pendleton, DFES Duke University  
Larry Crowder, PhD Hopkins Marine Station Stanford University  
Steve Murray, PhD California State University Fullerton  
Charles H. Peterson, PhD University of North Carolina at Chapel Hill  
Richard Strathmann, PhD Friday Harbor Marine Lab University of Washington  
Helene Marsh, PhD James cook University  
Neil Hammerschlag, PhD University of Miami  
Kiho Kim, PhD American University  
Dick Haedrich, PhD Memorial University, Canada  
Lauren Mullineaux, PhD Woods Hole Oceanographic Institution  
Alan Friedlander, PhD University of Hawai'i  
Mark Hixon, PhD University of Hawai'i  
Elliott Norse, PhD Marine Conservation Institute  
Amanda Vincent, PhD University of British Columbia, Canada  
James A. Estes, PhD University of California Santa Cruz  
Fiorenza Micheli, PhD Stanford University  
Les Watling, PhD University of Hawai'i  
Patrick N Halpin, PhD Duke University  
Peter J. Auster, PhD University of Connecticut and Mystic Aquarium  
Elva Escobar, PhD UNAM ICML  
Rodolphe Devilliers, PhD Memorial University of Newfoundland, Canada  
Tony Koslow, PhD Scripps Institution of Oceanography and University of California  
J.E.N. Veron, PhD DSc Australian Institute of Marine Science  
Robert Warner, PhD University of California Santa Barbara  
Patrick Christie, PhD University of Washington



Vera Alexander, PhD University of Alaska Fairbanks  
John C. Avise, PhD University of California at Irvine  
C. Scott Baker, PhD Oregon State University and University of Auckland  
John Guinotte, PhD Marine Conservation Institute  
Shah Selbe, MS Engrsea and National Geographic Society  
Octavio Aburto-Oropeza, PhD Scripps Institution of Oceanography  
K. David Hyrenbach, PhD Hawai'i Pacific University  
Sara Maxwell, PhD Stanford University  
Ratana Chuenpagdee, PhD Memorial University  
Elizabeth De Santo, PhD Franklin & Marshal College  
P. Dee Boersma, PhD University of Washington  
Ayana Elizabeth Johnson, PhD Waitt Institute  
James T. Carlton, PhD Williams College  
Katie Cramer, PhD Smithsonian Institution  
John Francis, PhD National Geographic Society  
Will McClintock, PhD University of California Santa Barbara  
Susan L. Williams, PhD University of California at Davis  
Ellen Hines, PhD San Francisco State University  
Forest Rohwer, PhD San Diego State University  
Benjamin Ruttenberg, PhD California Polytechnic State University  
Jennifer Jacquet, PhD New York University  
Kenneth Broad, PhD University of Miami and Columbia University  
Jessica Carilli, PhD University of San Diego  
Edward E. DeMartini, PhD NOAA National Marine Fisheries Service  
George H. Leonard, PhD Ocean Conservancy  
Douglas Causey, PhD University of Alaska Anchorage  
Michael S. Rodway, PhD Wildwing Environmental Research  
Ignacio Vilchis, PhD Scripps Institution of Oceanography  
Heidi Regehr, PhD Wildwing Environmental Research  
Rob Ronconi, PhD Acadia University  
Lida Teneva, PhD Conservation International  
Robin W. Baird, PhD Cascadia Research Collective  
John Pearse, PhD University of California Santa Cruz  
Vivian Mendenhall, PhD Pacific Seabird Group  
Lisa T. Ballance, PhD Scripps Institution of Oceanography  
John Wares, PhD University of Georgia  
Peter JS Jones, PhD University College London  
Amanda Freeman, PhD The School for Field Studies  
Benjamin Grupe, PhD Scripps Institution of Oceanography  
Shaye Wolf, PhD Center for Biological Diversity  
John D. Booth, PhD Fish Forever, New Zealand  
Pablo Garcia Borboroglu, PhD University of Washington  
Fabio De Leo, PhD Ocean Networks Canada  
Carlos Neira, PhD Scripps Institution of Oceanography  
Rhian G. Waller, PhD University of Maine  
Christine Shulse, PhD University of Hawai'i  
Diva Amon, PhD University of Hawai'i at Manoa



N Tessa Pierce, MS Scripps Institution of Oceanography  
Erik Cordes, PhD Temple University  
Katherine Genevieve Sammler, MS University of Arizona  
Danielle Young, PhD Candidate Temple University  
Marcelo Visentini Kitahara, PhD São Paulo Federal University  
Sandor Mulsow, PhD Universidad Austral of Chile  
Evan Edinger, PhD Memorial University, Canada  
Karen Eckert, PhD WIDECAST, Inc.  
Claire Saladin, Widecast Coordinator Saint Martin  
Jeff Ardron, MSc. Institute for Advanced Sustainability Studies  
Laurence McCook, PhD Great Barrier Reef Marine Park Authority  
Craig R. Smith, PhD University of Hawai'i at Manoa  
Geoffrey P Jones, PhD James Cook University  
Thomas A. Okey, PhD University of Victoria  
Lea-Anne Henry, PhD Heriot-Watt University  
Emily Carrington, PhD University of Washington  
Tim McClanahan, PhD The Wildlife Conservation Society  
Rainer Froese, PhD Helmholtz Centre for Ocean Research GEOMAR, Germany  
Patricia Majluf, PhD Cayetano Heredia University, Lima, Peru  
Paul Havemann LLB (Hons), LLM James Cook University, Australia  
Gail Osherenko, JD University of California, Santa Barbara  
Sonia J. Rowley, PhD Bernice Pauahi Bishop Museum & University of Hawai'i  
Eva Ramirez Llodra, PhD Norwegian Institute for Water Research (NIVA)  
Julie Hambrook Berkman, PhD Foundation for the Good Governance of International Spaces  
Laurence Mee, PhD Scottish Association for Marine Science  
Jeroen Ingels, PhD Plymouth Marine Laboratory  
Julie Hawkins, PhD University of York  
Sophie Benbow, MS Fauna & Flora International  
Wellington Amaral Jr. Foundation for the Good Governance of International Spaces  
Paris Stefanoudis, PhD Student National Oceanography Centre, Southampton  
Julia Bentz, MPhil University of the Azores  
Andrew Davies, PhD Bangor University  
Sybille van den Hove, PhD Median + HERMES, HERMIONE and MIDAS projects  
Robert S. Steneck, PhD University of Maine  
Steve W. Ross, PhD University of North Carolina at Wilmington Center for Marine Science  
Garry Russ, PhD James Cook University, Australia  
Paul Dando, PhD Maine Biological Association of the UK  
Brendan Turley, Master's Student Virginia Institute of Marine Science  
Thomas C. Shirley, PhD Texas A&M University-Corpus Christi  
Vreni Haussermann, PhD Huinay Scientific Field Station  
Alan T. White, PhD The Nature Conservancy  
Miriam Fernandez, PhD Pontificia Universidad Catolica de Chile  
Chevallier Damien, PhD Centre National de la Recherche Scientifique (CNRS)  
Amy Baco-Taylor, PhD Florida State University  
Doug Bartlett, PhD Scripps Institution of Oceanography  
Samantha Andrews, MS University of York  
Benjamin Cuker, PhD Hampton University

Daniel W. Anderson, PhD University of California Davis  
Lisa Suatoni, PhD Natural Resources Defense Council  
Erica Donnelly-Greenan, MS Oikonos Ecosystem Knowledge  
R. Cotton Rockwood, MS Scripps Institution of Oceanography  
Kerri Seger, MS Scripps Institution of Oceanography  
Adam Schlenger, MS (PhD student) Scripps Institution of Oceanography  
Dorinda G. Dallmeyer, MS/JD University of Georgia  
Matthew S. Leslie, MS Scripps Institution of Oceanography  
Andrew Titmus, MS University of Hawai'i  
Andrea Erichsen, MS Kauai Community College  
Matthew Huelsenbeck, MA XPRIZE Foundation  
Trevor Joyce, BS Scripps Institution of Oceanography  
Marianne Teoh, BS Imperial College London  
Robert M. Croskey, Scientist at Weston Solutions Inc  
Catherine Langford, MA Fish Forever, New Zealand  
David Ainley, PhD Friends of the Ross Sea Ecosystem  
Jean M Harris, PhD Ezemvelo KZN Wildlife, Scientific Services  
Summer Martin, MS Scripps Institution of Oceanography  
Beth Pike, MEM Marine Conservation Institute  
Onno Gross, PhD DEEPWAVE  
Jessie Beck, BS Oikonos Ecosystem Knowledge  
Liz Taylor, BA President DOER Marine  
Russell Moffitt, BA Marine Conservation Institute  
Anna Zivian, PhD Ocean Conservancy  
Eric W Vetter, PhD Hawai'i Pacific University  
Sarah Hameed, PhD Candidate University of California Davis  
Ginger A. Rebstock, PhD University of Washington  
Trevor A. Branch, PhD University of Washington  
Priya Shukla, BS San Diego State University  
Angel C. Alcala, PhD Silliman University, James Cook University  
Abigail Moore, MS Sekolah Tinggi Perikanan dan Kelautan  
Korneel De Rynck, Masters Environmental Engineer  
Sarah Hughes, PhD National Oceanography Centre, UK  
Mark Erdmann, PhD Conservation International  
Alexander David Tinsley Vierod, MRes Bangor University  
Valeria Falabella Wildlife Conservation Society  
Peter M.D Thomas, MS Animus Conservation  
Margaret Murray Tower, MS National Academy of Science  
Joanne K Birtus Kingston to Coorong Coast Care Group  
Ximena Escovar-Fadul, MS Marine Conservation Institute  
David Bain, PhD NaWhaRe  
Temukisa April Atafua, AS American Samoa Marine and Wildlife Conservation Center  
John Hocevar, MS Greenpeace  
Douglas Krause, MS Scripps Institution of Oceanography  
Charlene Steele, BS Bournemouth University  
Lida Pet, PhD World Wildlife Fund  
Erdal Ozhan, PhD Mugla University and Mediterranean Coastal Foundation

Ruth Murray, MS Marine Conservationist  
Andrea Michelson, BA Vida Silvestre Argentina  
Wen Bo, MPA NGS Air and Water Conservation Fund  
Elizabeth Schrack, PhD Student Duke University  
Sarah Frias-Torres, PhD Smithsonian Institution  
David Williamson, PhD ARC Centre of Excellence for Coral Reef Studies  
Sandra D. Brooke, PhD Florida State University Coastal and Marine Lab  
Christopher Koenig, PhD Florida State University Coastal and Marine Laboratory  
Jorge E. Capella, PhD CariCOOS - Caribbean IOOS  
Maria Baker, PhD University of Southampton, INDEEP and DOSI  
Lynne Hinkey, PhD University of Maryland  
Carmen Acevedo, PhD University of Puerto Rico  
Jacob Villalobos, BS New Mexico State University  
Helen Marie Darlington, BS Hull University  
Yashvin Neehaul, PhD The Mauritius Oceanography Institute  
Jessie Thomas-Blate, MS American Rivers  
Lisa DeBruyckere, MA Creative Resource Strategies, LLC  
Katie Sambrook, MS James Cook University  
Mildred Fabiola Corona Figueroa, Universidad de San Carlos de Guatemala  
Jorge Urban, PhD Universidad Autonoma de Baja California Sur  
Wanda Bodnar, MSc NIOZ Royal Netherlands Institute for Sea Research  
Hilary Maybaum, MS McGraw-Hill Education  
Cathy Hill, PhD Stockholm County Administrative Board  
Lori Schwendeman, MA Mountain Vista High School  
Heather Koldewey, PhD Zoological Society of London  
Ryan Stanley, PhD Candidate Memorial University of Newfoundland  
Renald Belley, PhD Candidate Memorial University of Newfoundland  
Caroline M. Hammerschlag-Peyer, PhD University of Miami Rosenstiel School  
James P. Barry, PhD Monterey Bay Aquarium Research Institute  
Heather A. Hardcastle, MEM Trout Unlimited  
Kylie Scales, PhD Plymouth Marine Laboratory  
Katelin Shugart-Schmidt, MS Marine Conservation Institute  
Joseph Peters, BS Florida International University  
Lace Thornberg, MA Braided River  
Emma Lewis, MA Independent Blogger  
Emma Schofield, BA Bournemouth University  
Jenna Stolfi, BA The Beach Review  
Helen Cherullo, BA Braided River  
Sanjot Sangodkar, MEM World Wide Fund for Nature  
Gregory S. Farley, MS Chesapeake College  
Emanuel João Flores Gonçalves, PhD ISPA - Instituto Universitário, Portugal  
Leslie Cornick, PhD Alaska Pacific University  
Gregor Cailliet, PhD Moss Landing Marine Laboratories  
Daniel R. Brumbaugh, PhD University of California Santa Cruz  
Juan Carlos Castilla, DSc P. Universidad Catolica  
Erin Stamper, BS University of Hawai'i at Hilo  
Frances Gulland, PhD The Marine Mammal Center



Gary E. Davis, MS GEDavis & Associates  
Julia K. Baum, PhD University of Victoria  
Caitlin Mandel, MEM University of Rhode Island  
Michael Moore, PhD Woods Hole Oceanographic Institution  
Katie Pugliares, MS New England Aquarium  
Daniel Dunn, MEM Duke University  
E. Chris Parsons, PhD George Mason University  
Jeffrey Hutchings, PhD Dalhousie University  
Colin W. Clark, PhD University of British Columbia  
Aldo Chircop, PhD Dalhousie University  
John Patrick Croxall, PhD Birdlife International Global Seabird Programme  
Stephan Lutter, MS World Wildlife Fund  
Gerardo Fragoso, PhD Arcadia Fund  
Jayna DeVore, PhD University of Sydney  
Jan Olavi Ekebom, PhD Metsahallitus Natural Heritage Services, Finland  
Michael Haldin, BS Forest and Parks Service, Finland  
Nigella Hillgarth, PhD New England Aquarium  
Lesanna Lyn Lahner, DVM Seattle Aquarium  
Shawn Larson, PhD Seattle Aquarium  
Mark Plunkett, MS Seattle Aquarium  
SungHyun Nam, PhD Scripps Institution of Oceanography  
Tim Packeiser, MS World Wildlife Fund  
Sheril Kirshenbaum, MS The University of Texas at Austin  
Sarah E. Moffitt, PhD University of California at Davis  
Philip Dearden, PhD University of Victoria  
Claudia E. Mills, PhD Friday Harbor Laboratories University of Washington  
Stuart Sandin, PhD Scripps Institution of Oceanography  
Lorenzo Rojas-Bracho, PhD Inst. Nacional de Ecología y Cambio Climático  
Jason Scorse, PhD Director, Center for the Blue Economy  
Joe Roman, PhD University of Vermont and Duke University  
Rebecca Fay Johnson, PhD California Academy of Sciences  
Telmo Morato, PhD University of the Azores  
James A Wilson, PhD School of Marine Sciences University of Maine  
John A. Musick, PhD Virginia Institute of Marine Science College of William & Mary  
Judith Lang, PhD AGRRRA Project  
C. Elaine Giessel, BA Sierra Club  
Clive Robert Wilkinson, PhD Reef & Rainforest Research Centre and Global Coral Reef Monitoring Network  
Noam Levin, PhD The Hebrew University of Jerusalem  
Tessa Mazor, PhD Candidate University of Queensland  
Eran Brokovich, PhD Israel Society of Ecology and Environmental Sciences  
Sara McDonald, MEM Duke University Nicholas School of the Environment  
Héctor Pérez, MS Centro de Estudios Culturales y Ecológicos, Prescott College A. C.  
Erik V. Thuesen, PhD Evergreen State College  
Dianna K Padilla, PhD Stony Brook University  
Billie J. Swalla, PhD University of Washington  
Bouveroux Thibaut, PhD Oceamm  
D. Ann Pabst, PhD University of North Carolina Wilmington



Kathryn L. Van Alstyne, PhD Western Washington University  
Thomas F. Mumford, Jr., PhD Friday Harbor Marine Lab University of Washington  
Catherine Drew Harvell, PhD Cornell University  
Dana Campbell, PhD Encyclopedia of Life  
Dan Laffoley, PhD Mission Blue and Royal Geographical Society  
Wallace J Nichols, PhD California Academy of Sciences  
Stephen Wing, PhD University of Otago  
Karen Bushaw-Newton, PhD Northern Virginia Community College  
Crow White, PhD California Polytechnic State University  
Kimberly Ann Selkoe, PhD University of California Santa Barbara  
Tessa Hill, PhD University of California Davis  
Barbara Block, PhD Stanford Woods Institute  
Martha Groom, PhD University of Washington Bothell  
Krystal Rypien, PhD Palomar College  
Virginia Stallings, PhD American University  
Robert T. Paine, PhD University of Washington  
Marta Ribes, PhD Consejo Superior Investigaciones Cientificas, Spain  
Bruce H. Robison, PhD  
Phaedra Doukakis-Leslie, PhD University of California San Diego  
Laura Bagge, PhD candidate Duke University  
Samantha C. Smoot, MS Auburn University  
Geoffrey Shester, PhD Oceana  
Kenneth P Sebens, PhD University of Washington  
Guilherme F. Dutra, MS Conservation International  
Ruth Thurstan, PhD The University of Queensland  
Cené S. Bryant, BS Naked Whale Research  
J. Emmett Duffy, PhD Smithsonian Institution  
George Lewis Shillinger, MPA/PhD The Leatherback Trust  
Kathryn J Mengerink, JD/PhD Scripps Institution of Oceanography  
Andrew A. Rosenberg, PhD Union of Concerned Scientists  
Salit Kark, PhD ARC Centre of Excellence for Environmental Decisions (CEED), The University of Queensland  
S.E.T. van der Meij, PhD Candidate Naturalis Biodiversity Center  
David Shiffman, PhD Candidate University of Miami  
Alexandria Kingston, BS Florida Institute of Technology  
Sharon Homer-Drummond, PhD Florida Atlantic University  
Hannah Armstrong, BA RJ Dunlap Marine Conservation Program University of Miami  
Sarah Heidmann, BS Oregon State University  
Molly Adams, PhD Candidate University of Miami  
Jill A. Olin, PhD Louisiana State University  
Lukas Mueller, BS The Watermen Project  
Tina Rey Santos, Masters Candidate Institute of Environmental and Marine Sciences Silliman University  
Charise Johnson, MS American University  
Stephanie Martin, MMA National Geographic Society  
Britt Odle, BA National Park Service  
Erin LaBrecque, PhD Candidate Duke University  
Mason Weinrich, MS  
Easton R. White, BA University of California- Davis



Liz Rauer, MS Stanford University  
Arlo Hemphill, MS Maryland Coastal Bays Program  
Lauren Dolan, BS Long Island University - Southampton  
Frank Gibson, BA RJ Dunlap Marine Conservation Program University of Miami  
David Wilmot, PhD Ocean Champions  
C. Sarah Cohen, PhD San Francisco State University  
Shana Gallagher, BA Tufts University & San Francisco State University  
John Melvin Tanzer, MS James Cook University & University of Queensland  
Justin Blake, MS Biznews.com  
J.A. Cado van der Lelij, MS  
Angela Amlin, MEM State of Hawai'i Division of Forestry and Wildlife  
Lindsay Jennings, MPS Marine Conservation Institute  
Lindsey Kraatz, PhD  
Kimberly Ferran Holt, MS Florida Atlantic University  
Nicholas Kevin Dulvy, PhD Simon Fraser University  
Robert Costanza, PhD Australian National University  
Valeria Hidalgo-Ruz, MS Universidad Católica del Norte, Chile  
Jessica Meeuwig, PhD University of Western Australia  
Stacy K. Baez, PhD Oceana  
Robert Perry, BA World Business Academy  
Brenda Rone, MS NOAA Alaska Fisheries Science Center and Cascadia Research Collective  
Fiona Graham, MS University of Miami - RSMAS  
Kathryn McQueen, BA Miami University  
Nicole Shumway, PhD Candidate The University of Queensland  
Susan Alexander, Graduate Certificate in GIS and Remote Sensing  
Guido Leurs, BS Oceaware  
Micha Gijsbers, BS Oceaware  
Fiona Llewellyn, MS Zoological Society of London  
Phil Bouchet, MRes University of Western Australia  
Karen Donaldson, MA European Marine Board  
Ryan Kempster, PhD University of Western Australia  
Jorge A. Huete-Perez, PhD University of Central America  
Kathi Littmann, EdD Bill & Melinda Gates Foundation  
Martina Genovese, BS MS Student  
Brent Colledge, BS Environmental Management  
Dietlinde Wolf, PhD University of Miami  
Patricia J. Elkus, BA Scripps Institution of Oceanography/Mission Blue  
Giuseppe Notarbartolo di Sciara, PhD Tethys Research Institute, Italy  
Kirk Sato, MS Scripps Institution of Oceanography  
Emily Callahan, MS Scripps Institution of Oceanography  
Walter Munk, PhD Scripps Institution of Oceanography  
Natalya Gallo, PhD Student Scripps Institution of Oceanography  
Frazer McGilvray, BS Division of Aquatic Resources state of Hawaii  
Dawn J. Wright, PhD Environmental Systems Research Institute  
Lisa Uttal, MS NOAA Monterey Bay National Marine Sanctuary  
Samantha Oester, PhD Student Society for Conservation Biology/International Union for Conservation of Nature  
Terry Tohidu Hawk, BS University of Oklahoma

Todd Steiner, MS Turtle Island Restoration Network  
Henry P. Huntington, PhD Huntington Consulting  
Juan Pablo Rodríguez, Licenciado en Ciencias del Mar Universidad de Magallanes, Chile  
Pamela Llewellyn, BA Environmental Scientist  
Lawrence J. Weider, PhD University of Oklahoma  
James H. Swift, PhD UCSD Scripps Institution of Oceanography  
G. Carl Schoch, PhD Coastal and Ocean Resources Inc.  
Carlos A. Espinosa, MA dosmares.org  
Alan Springer, PhD University of Alaska Fairbanks  
Mark W. Williams, PhD University of Colorado  
Donald M Waller, PhD University of Wisconsin  
Margaret K Thayer, PhD Field Museum of Natural History  
Barry F Sherr, PhD Oregon State University  
Alan L Shanks, PhD University of Oregon  
George H. Waring IV, PhD Southern Illinois University  
Dennis Lavrov, PhD Iowa State University  
Clive G Jones, PhD Cary Institute of Ecosystem Studies  
Herbert Curl, PhD Seattle Audubon Society  
Kyle E. Harms, PhD Louisiana State University  
Thomas Rooney, PhD Wright State University  
Carol Anne Blanchette, PhD University of California, Santa Barbara  
Jenella Loye, PhD University of California Davis  
Dennis Murray, PhD Trent University  
Josef D Ackerman, PhD University of Guelph  
Dorothy Boorse, PhD Gordon College  
Luise Hermanutz, PhD Memorial University  
Charles A. S. Hall, PhD State University of New York  
Brian Battaile, PhD United States Geological Survey  
Matthew Dzieciuch, PhD Scripps Institution of Oceanography  
Larry L. Wolf, PhD Syracuse University  
Michael A. Bell, PhD Stony Brook University  
William R Fraser, PhD Polar Oceans Research Group  
Richard Ambrose, PhD University of California Los Angeles  
Paul Broady, PhD University of Canterbury, New Zealand  
Gary K. Meffe, PhD University of Florida  
Colin Groves, PhD Australian National University  
Stephen Spotte, PhD Mote Marine Laboratory  
Gene R. Trapp, PhD California State University Sacramento  
Liba Pejchar, PhD Colorado State University  
Todd W. Anderson, PhD San Diego State University  
Nikolai Formozov, PhD Moscow University, Russia  
Catherine E. de Rivera, PhD Portland State University  
Aaike De Wever, PhD Royal Belgian Institute of Natural Sciences  
Andrew Foggo, PhD University of Plymouth, UK  
W Scott Armbruster, PhD University of Alaska Fairbanks  
Cornelis J. P. Grimmelikhuijzen, PhD University of Copenhagen  
Raimo Virkkala, PhD Finnish Environment Institute

Michael C. Swift, PhD St. Olaf College  
Roman Zurek, PhD Institute of Nature Conservation Polish Academy of Sciences  
Martin Gibling, PhD Dalhousie University  
Lucyna Halupka, PhD Wroclaw University  
Douglas Alan Holdway, PhD University of Ontario Institute of Technology, Canada  
Heather M Leslie, PhD Brown University  
Dale M Madison, PhD Binghamton University  
Eduardo E. Inigo-Elias, PhD Cornell University  
Stephan J. Schoech, PhD University of Memphis  
Peter Abrams, PhD University of Toronto  
Christopher M. Rogers, PhD Wichita State University  
Christopher Barnes, PhD University of Victoria, Canada  
Leslie M. Adams, PhD University of Maryland  
Jay Pitocchelli, PhD Saint Anselm College  
David O. Conover, PhD Stony Brook University  
Ivonne Ortiz, PhD University of Washington  
Stuart L. Warter, PhD California State University Long Beach  
James Byers, PhD University of Georgia  
Elise Granek, PhD Portland State University  
Howard Feder, PhD University of Alaska  
Ralph Cartar, PhD University of Calgary  
David C. Coleman, PhD Ecological Society of America  
James Hanken, PhD Harvard University  
Gail Fraser, PhD York University  
Stephen MacLean, PhD University of Alaska Fairbanks  
Carlos Frank Amory Pinkham, PhD Norwich University  
Gary A. Laursen, PhD High Latitude Mycological Research Institute  
Megan N. Dethier, PhD Friday Harbor Labs University of Washington  
Mai Yasue, PhD Quest University Canada  
Christopher Cameron, PhD University of Montreal  
Kirsten Grorud-Colvert, PhD Oregon State University  
Graham Forrester, PhD University of Rhode Island  
Doug Fischer, PhD ARCADIS-US  
Christopher Still, PhD University of California Santa Barbara  
Andrew Greuling, BS  
David K. Mellinger, PhD Oregon State University  
Amber Stronk, BA  
Dominique Barnes, MA Scripps Institution of Oceanography  
Vienna Saccomanno, BS Marine Conservation Institute  
Jennifer Caselle, PhD University of California Santa Barbara  
Drew M. Talley, PhD University of San Diego  
Cynthia Barbosa da Silveira, MS San Diego State University  
Emily Kelly, MS Scripps Institution of Oceanography  
Jason Hastings Murray, PhD IM Systems Group  
Mark Tetrick, MAS University of Washington  
Mary Yang, PhD Scripps Institution of Oceanography  
Talina Konotchick, PhD Scripps Institution of Oceanography

Arthur J. Miller, PhD Scripps Institution of Oceanography  
Matthew Forrest, PhD Scripps Institute of Oceanography  
Grantly Galland, PhD Galland Consulting  
Jennifer Smith, PhD Scripps Institution of Oceanography  
Laurence Romeo, MA Scripps Institute of Oceanography  
Melissa Roth, PhD University of California Berkeley  
Yan Wei Lim, BS San Diego State University  
Merry Youle, PhD Rainbow Rock  
Patricia McKenna, MSW  
Jerry R. Schubel, PhD Aquarium of the Pacific  
Jacqueline Padilla Gamino, PhD California State University  
Jeffrey O'Hara, PhD Union of Concerned Scientists  
Allison Randolph, BS Birch Aquarium at Scripps Institution of Oceanography  
Shelley Dahlgren, PhD  
Garry Dale, BS Oregon State University  
Kevin Warren, BA  
Luz Helena Rodríguez-Vargas, MS Universiti Sains Malaysia  
Phoi Tran, PhD Lawrence Berkeley National Labs  
Cynthia Jennings, MA  
John Conley, MBA  
Tracy Ouellette, MD  
Lawrence Niles, PhD Conserve Wildlife Foundation of NJ  
Karen L. Noorbut-McElhany, MA  
Jeb Byers, PhD University of Georgia  
Nikita Steele, MS Rhodes University  
Patrick McCauley, BS Harvard-Smithsonian Center for Astrophysics  
Julia Horrocks, PhD University of the West Indies  
Bonnie Gretz, BA  
Sarah Heidmann, BS Oregon State University  
Lauren Lochrie, BS University of Glasgow  
Cherie Prothro, BS Waitt Foundation  
Hannah Prentice, MA BES  
Alberto Begue, PhD Independent Consultant  
Kira Hughes, MS Environmental Consultant  
Richard Perrotta, BA University of California Santa Cruz  
Richard Roy, PhD Student University of Washington  
Amanda Feuerstein, BS World Bank  
Monica Picon, DVM UBA  
Matthew Iacchei, PhD University of Hawaii  
Michael Gravitz, MPP Marine Conservation Institute  
Scott Consaul Atkinson, MS University of Queensland  
Corey Bradshaw, PhD The University of Adelaide  
Tim Stephens, PhD University of Sydney, Australia  
Jeffrey M Leis, PhD University of Tasmania  
John M Pandolfi, PhD University of Queensland, Australia  
Ian R Tibbetts, PhD University of Queensland, Australia  
William Goulding, BS University of Queensland, Australia

Stephanie Roach, MS Waitt Institute  
Michael Dessner, BA Waitt Institute  
Mark Sullivan, BS National Oceanic and Atmospheric Administration  
Frances Kinney, MS Ocean Connectors  
Jennifer Ovenden, PhD University of Queensland  
Pamela Elaine Michael, PhD candidate University of Tasmania  
Robert B. Dunbar, PhD Woods Institute for the Environment  
Richard Pyle, PhD Bernice P. Bishop Museum, Hawaii  
Sheila McKenna, PhD National Park Service  
Jana Michaelis, Dipl.-Biol, University of Bremen  
Sarah B Stewart, PhD Psychology  
Deborah Beck, MA UFT  
Satyendra Datt Tripathi, PhD Fisheries Scientist  
Etta Karth, BA NOAA/Papahānaumokuākea Marine National Monument  
Aj Ylitaliturri, BS Fisheries  
Matt Wale, MS Edinburgh Napier University  
Anna McGregor, PhD University of Glasgow  
James Thorburn, MSc University of Aberdeen  
Carolyn Lundquist, PhD University of Auckland  
Coral Pasi, BS Alaska Pacific University  
Ross McGregor, PhD  
Fadilah Aci, MS University of Soton  
Luis Bourillon, PhD Comunidad y Biodiversidad  
Louise Milne, MS  
Joanne Preston, PhD University of Portsmouth  
Tony Pitcher, PhD University of British Columbia  
Natalie Welden, PhD University of Glasgow  
Samantha King, BS University of Glasgow  
Katie Westfall, MESM Bren School University of California Santa Barbara  
Nora Eddy, MESM Bren School University of California Santa Barbara  
Natacha Aguilar, BS University of La Langua  
Susan Gallon, PhD University of Glasgow  
Charlotte Hopkins, MS University of Glasgow  
Charlotte Boyd, PhD Scripps Institution of Oceanography  
Dominic McCafferty, PhD University of Glasgow  
Kendra Karr, PhD Environmental Defense Fund/ University of California Santa Cruz  
Willow Battista, MS Environmental Defense Fund  
Keith Lawrence, Conservation International  
Devon O'Meara, BS Scripps Institution of Oceanography  
James Robinson, MRes University of Victoria  
Katherine Siegel, BS Oxford University  
Rebecca Lewison, PhD San Diego State University  
John Turner, PhD Bangor University  
Gary Murphy, MS Exeter University  
John Ososky, MS Smithsonian Institution  
Candida Savage, PhD Otago University  
Cat Merrdon, BS University of St. Andrews

Mike Irvine, MEd University of Victoria  
Chanda Littles, MS University of Florida  
Dominique Weilermann, University of St. Andrews  
Kristina Raab, PhD Wageningen University  
Karin Bodtker, MRM Living Oceans Society  
Tarig Mir, BS University of Strathclyde  
Kylee Pawluk, MS University of Victoria  
Martina Quaggiotto, PhD University of Glasgow  
Laken-Louise Hives, BS Scottish Association for Marine Science  
Luca Appollom, BS Parthenope University  
Venkatraj Nayak, PhD Karnataka University  
Vilma Kunliala, MRM University of Kent  
Jack Wilson-Green, BS University of Stirling  
Andrew Binnie, MS Community of Arran Seabed Trust  
Geiner Golfin, MS Cocos Island National Park  
Fei Wang, PhD Student ZMT Bremen  
Sophie Elliott, PhD University of Glasgow  
Falk Huettmann, PhD University of Alaska Fairbanks  
Julie Remp, BS Tangaroa Blue Foundation  
Heidi Hirsh, National Ocean and Atmospheric Administration