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**EDUCATION:**

Ph.D. Biological Oceanography, January 2001  
Scripps Institution of Oceanography, University of California San Diego, La Jolla, CA

B.Sc. Ecology, Behavior and Evolution, June 1993  
University of California San Diego, La Jolla, CA

**AWARDS:**

Best Fisheries Paper, 10<sup>th</sup> Annual North Pacific Marine Science Organization Conference, October 2001

Teaching Excellence Award. Biology Department, University of California San Diego, June 1996

Graduation with Honors, University of California San Diego, June 1993

Phi Beta Delta National Honor Society, University of California San Diego, May 1991

**RESEARCH INTERESTS:**

Biogeography, Ecology and Conservation of far-ranging Marine Birds and Management of their Pelagic Systems. Design of Pelagic Reserves for Marine Megavertebrates. Application of Marine Spatial Planning in the Pelagic Realm. What physical mechanisms define predictable foraging hotspots in pelagic systems? How can managers use natural history and oceanography to design effective management actions in the open ocean? How can Marine Protected Areas and Marine Spatial Planning help to manage human impacts on marine vertebrates and their oceanic habitats?

**RESEARCH EXPERIENCE:**

**Dissertation Research**

'Marine Bird Distribution and Abundance off southern California: Pattern and Process at Multiple Scales'

**Assistant Professor in Oceanography**

Hawaii Pacific University, Honolulu, HI.  
January 2008 - present

**Adjunct Professor**

Duke University Marine Laboratory, Beaufort, NC.  
January 2008 – present

**Visiting Scholar**

University of Washington, Seattle, WA.  
June 2005 – December 2007

**COMPETITIVE GRANTS:****Current Support**

- (01/01/07 – 05/31/11) Pew Marine Conservation Fellowship: \$ **150,000**  
Spatially-explicit Conservation in the Alborán Sea: Habitat Modeling and Gap Analysis Guide  
Pelagic Protected Area Designs  
Investigators: **Hyrenbach**
- (12/01/09 – 05/31/11) National Fish and Wildlife Foundation Marine Debris Program: \$ **33,941**  
Non-lethal assessment of plastic ingestion in live seabirds  
Investigators: **Hyrenbach** / Titmus
- (01/01/10 – 05/15/11) Fall 2009 HPU TSEP Grant: \$ **6,900**  
Green Sea Turtle Foraging Habitat in Kailua Bay (Oahu)  
Investigators: **Hyrenbach** / Francke
- (07/01/10 – 06/30/11) NOAA-NFA-NFAPO-2010-2002272: \$ **29,946**  
Increasing the quality and capacity for marine science research and education at H.P.U.  
Investigators: Jensen / **Hyrenbach**

**Pending Support**

- (05/15/11 – 05/14/12) SeaWorld Conservation Fund: \$ **19,976**  
Targeted Outreach for Local Green Sea Turtle (*Chelonia mydas*) Conservation  
Investigators: **Hyrenbach** / Francke
- (02/01/12 – 01/31/14) Hawai'i Sea Grant: \$ **59,434**  
Does El Niño Influence Plastic Ingestion by Hawaiian Albatrosses: Assessing Geographic  
and Species-specific Patterns  
Investigators: **Hyrenbach** / Hester / Nevins
- (05/01/12 - 04/31/13) Fish and Wildlife Service (USFWS): \$ **9,520**  
Foraging ecology of Hawaiian Seabirds in Relation to Oceanographic Variability and Climate Change  
Investigators: Young / **Hyrenbach** / Shaffer / Suryan

**REFEREED JOURNAL PUBLICATIONS:**

Titmus, A.J., and **Hyrenbach, K.D.** Habitat associations of marine birds and floating debris in the North East Pacific at two spatial scales. Submitted to Marine Pollution Bulletin, In Review.

Asuncion B., Friedlander, A.M., Vetter, E., Hargrove, S., Balazs, G.H., and **Hyrenbach, K.D.** Habitat use patterns of juvenile green turtles (*Chelonia mydas*) in Kailua Bay, O'ahu (Hawai'i). Submitted to Marine Ecology Progress Series. In Review.

Gilman, E., Dunn D., Read, A., Warner, R., and **Hyrenbach, K.D.** Designing Criteria Suites to Identify Sites and Networks of High Value across Manifestations of Biodiversity. Submitted to Biological Conservation. In Review.

Schick, R.S., Halpin, P.N., Read, A.J., Urban, D.L., Best, B.D., Good, C.P. Good, Roberts, J.J. Roberts, LaBrecque, E.A., Dunn, C., Garrison, L., **Hyrenbach, K.D.**, McClellan W.A., Pabst, D.A., Palka, D.L., Stevick, P., and Whitehead, H. Community structure in pelagic cetaceans. Marine Ecology Progress Series. In Press.

Lewison, R., Oro, D., Godley, B., Underhill, L., Bearhop, S., Wilson, R., Ainley, D., Arcos, J.M., Boersma, P.D., Borboroglu, P., Bouludier, T., Frederiksen, M., Genovart, M., González-Solís, J., Green, J.A., Grémillet, D., Hamer, K.C., Hilton, G.M., **Hyrenbach, K.D.**, Martínez-Abraín, A., Montevecchi, W.A., Phillips, R.A., Ryan, P.G., Sagar, P.M., Sydeman, W.J., Yorio, P., Wanless, S., Watanuki, Y., and Weimerskirch, H. Research Priorities for seabirds: Improving seabird conservation and management in the 21st century. *Endangered Species Research*, In Press.

Nur, N., Jahncke, J., Herzog, M., Hyrenbach, K.D., Ainley, D.G., Wiens, J.A., Ballance, L.T., Morgan, K., Zamon, J.E., and Stralberg, D. Where the Wild Things Are: Predicting Hotspots of Seabird Aggregations in the California Current System. *Ecological Applications*, In Press.

Hooker, S.K., Cañadas, A., **Hyrenbach, K.D.**, Corrigan, C., Polovina, J.J., and Reeves, R.R. 2011. How to make marine protected area networks effective for marine top predators. *Endangered Species Research*, 13:203-218.

Ainley, D.G., and **Hyrenbach, K.D.** 2010. Top-Down and Bottom-Up Factors Affecting Seabird Population Trends in the California Current System (1985-2006). *Progress in Oceanography*, 84 (3-4): 242-254

Nevins H-R, Adams, A., Moller, H., Newman, J., Hester, M., and **Hyrenbach, K.D.** 2009. International and cross-cultural management in conservation of migratory species. *Journal of the Royal Society of New Zealand*, 39(4): 183-185.

Hart K.M., and **Hyrenbach K.D.** 2009. Satellite telemetry of marine mega-vertebrates. *Endangered Species Research*, 10: 9 - 20.

Halpin, P.N., Read, A.J., Fujioka, E., Best, B.D., Donnelly, B., Hazen, L.J., Kot, J., Urian, K., LaBrecque, E., Dimatteo, A., Cleary, J., Good, C., Crowder, L.B., and **Hyrenbach, K.D.** 2009. OBIS-SEAMAP: The World Data Center for Marine Mammal, Sea Bird, and Sea Turtle Distributions. *Oceanography* 22(2): 96-107.

Louzao, M., Bécas, J., Rodríguez, B., **Hyrenbach, K.D.**, Ruiz, A., and Arcos, J.M. 2009. Combining vessel-based surveys and tracking data to identify key marine areas for seabirds: a conservation application. *Marine Ecology Progress Series*, Marine Ecology Progress Series 391: 183-197.

Abdulla, A., Gomei, M., **Hyrenbach, D.**, Notarbartolo-di-Sciara, G., and Agardy, T. 2008. Current challenges towards a network of representative marine protected areas in the Mediterranean: a need to prioritize the protection of underrepresented habitats. *ICES Journal of Marine Science* 66: 22-28.

Hebshi, A.J., Duffy, D.C., and **Hyrenbach, K.D.** 2008. Associations between seabirds and subsurface predators around Oahu, Hawaii. *Aquatic Biology* 4: 89-98.

Notarbartolo-di-Sciara, G., Agardy, T., **Hyrenbach, D.**, Scovazzi, T., and Van Klaveren, P. 2008. The Pelagos Sanctuary for Mediterranean Marine Mammals. *Aquatic Conservation* 18(4): 367-391.

**Hyrenbach, K.D.**, Henry, M.F., Morgan K.H., Welch, D.W., and Sydeman, W.J. 2007. Optimizing strip transects for seabird surveys from ships of opportunity. *Marine Ornithology* 35:29-37.

**Hyrenbach, K.D.**, Veit, R.R., Weimerskirch, H., Metz N., and Hunt, Jr., G.L. 2007. Community Structure Across a Large-scale Ocean Productivity Gradient: Marine Bird Assemblages of the southern Indian Ocean. *Deep-Sea Research I* 54(7): 1129-1145.

Veit, R.R., **Hyrenbach, K.D.**, and Martin, M.-C. 2006. Records of Rare Birds in the Indian Ocean During the Austral Summers of 2003-2004. *Bulletin of the British Ornithologist's Club* 127(1): 27-34.

Zacharias, M., Gerber, L. and **Hyrenbach, D.** 2006. Incorporating the science of marine reserves into IWC Sanctuaries: The Southern Ocean Sanctuary. *Journal of Cetacean Research and Management* 8(1): 1-12.

Sydeman, W.J., Bradley, R.W., Warzybok, P., Jahncke, J., **Hyrenbach, K.D.**, Kousky, V., Hipfner, M.A.,

and Ohman, M.D. 2006. Krill and Krill Predators: Responses of Planktivorous Auklets *Ptychoramphus aleuticus* to the Anomaly of 2005. *Journal of Geophysical Research* 33, L22S09.

**Hyrenbach, K.D.**, Veit, R.R., Weimerskirch, H., and Hunt, Jr., G.L. 2006. Seabird associations with mesoscale eddies: the subtropical Indian Ocean. *Marine Ecology Progress Series* 324: 271-279.

Louzao, M., **Hyrenbach, K.D.**, Arcos, J.M., Abelló, P., Gil Desola, L., and Oro, D. 2006. Oceanographic Habitat of a Critically Endangered Mediterranean Procellariiform: Implications for the Design of Marine Protected Areas. *Ecological Applications* 16(5): 1683–1695.

Halpin, P.N., Read, A.J., Best, B.D., **Hyrenbach, K.D.**, Fujioka, E., Coyne, M.S., Crowder, L.B., Freeman, S.A. and Spoerri, C. OBIS-SEAMAP: Developing a Biogeographic Research Data Commons for the Conservation of Marine Mammals, Seabirds and Sea Turtles. *Marine Ecology Progress Series*. 316: 239-246.

Batten, S.D., **Hyrenbach K.D.**, Sydeman, W.J. Morgan, K.H., Henry, M.F., and Yen, P.P.Y., and Welch, D.W. 2006. Characterising Meso-Marine Ecosystems of the North Pacific. *Deep-Sea Research II*, 53 (3-4): 270-290.

Suryan, R.M., Sato, F., Balogh, G., **Hyrenbach, K.D.**, Sievert, P., and Ozaki, K. 2006. Foraging destinations and marine habitat use of short-tailed albatrosses: a multi-scale approach using first-passage time analysis. *Deep-Sea Research II*, 53 (3-4): 370-386.

Yen, P.P.W., Sydeman, W.J., Bograd, S.J., **Hyrenbach, K.D.** 2006. Spring-time distributions of migratory marine birds in the southern California Current: Oceanic eddy associations and coastal habitat hotspots over 17 years. *Deep-Sea Research II*, 53 (3-4): 399-418.

Redfern, J., Ferguson, M.C., Becker E.A., **Hyrenbach, K.D.**, Good, C., Kaschner K., Baumgartner M.F., Forney, K.A. Balance, L.T., Fauchald, P., Halpin, P., Hamazaki, T., Pershing, A.J., Qian, S.S., Read, A., Reilly, S.B., Torres, L., and Werner, F. 2006. Techniques for cetacean-habitat modeling: A Review. *Marine Ecology Progress Series*, 310: 271-295.

**Hyrenbach, K.D.**, Keiper, C., Allen, S.G., Anderson, D.J., and Ainley, D.G. 2006. Use of national marine sanctuaries by far-ranging predators: commuting flights to the California Current System by breeding Hawaiian albatrosses. *Fisheries Oceanography*, 15 (2): 95-103.

Gerber, L.R., **Hyrenbach, K.D.**, and Zacharias, M.A. 2005. Do the largest reserves protect whales or whalers? *Science*, 307: 525-526.

Yen, P.P.W., Sydeman, W.J., and **Hyrenbach, K.D.** 2004. Marine bird and cetacean associations with bathymetric habitats and shallow-water topographies: implications for trophic transfer and conservation. *Journal of Marine Systems*, 50 (1-2): 79 – 99.

**Hyrenbach, K.D.**, and Irons, D. 2003. Introduction to the symposium on seabird biogeography: Past, Present and Future of Seabird Communities. *Marine Ornithology*, 31: 95-99.

Smith, J.L., and **Hyrenbach, K.D.** 2003. Galápagos Islands to British Columbia: seabird communities along a 9,000 km transect from the tropical to the subarctic Eastern Pacific Ocean. *Marine Ornithology*, 31: 155-166.

Baduini, C.L., and **Hyrenbach, K.D.** 2003. Biogeography of Procellariiform foraging strategies: does ocean productivity influence provisioning? *Marine Ornithology*, 31: 101-112.

**Hyrenbach, K.D.**, and Veit, R.R. 2003. Ocean warming and seabird communities of the California Current System: response at multiple temporal scales. *Deep-Sea Research II*, 50 (14-16): 2537-2565.

**Hyrenbach, K.D.**, and Dotson, R.C. 2003. Assessing the susceptibility of female Black-footed Albatross (*Phoebastria nigripes*) to longline fisheries during their post-breeding dispersal: an integrated approach. *Biological Conservation*, 112: 391-404.

**Hyrenbach, K.D.** 2002. Plumage-based ageing criteria for the Black-footed Albatross. *Marine Ornithology*, 30: 85-93.

**Hyrenbach, K.D.**, Fernández, P, and Anderson, D.J. 2002. Oceanographic habitats of two sympatric North Pacific albatrosses during the breeding season. *Marine Ecology Progress Series*, 233: 283-301.

**Hyrenbach, K.D.**, Baduini, C.L., and Hunt, G.L., Jr. 2001. Line transect estimates of Short-tailed Shearwater (*Puffinus tenuirostris*) mortality in the Southeastern Bering Sea: 1997-99. *Marine Ornithology*, 29: 27-34.

**Hyrenbach, K.D.**, and Dotson, R.C. 2001. Post-breeding movements of a male Black-footed Albatross *Phoebastria nigripes*. *Marine Ornithology*, 29:23-26.

**Hyrenbach, K.D.** 2001. Albatross response to survey vessels: implications for studies of seabird distribution, abundance and prey consumption. *Marine Ecology Progress Series*, 212:283-295.

Baduini, C.L., **Hyrenbach, K.D.**, Coyle, K.O., Pinchuk, A., Mendenhall, V., and Hunt, G.L., Jr. 2001. Mass mortality of Short-tailed Shearwaters in the southeastern Bering Sea during summer 1997. *Fisheries Oceanography*, 10:117-130.

**Hyrenbach, K.D.**, Forney K.A., and Dayton, P.K. 2000. Marine Protected Areas and Ocean Basin Management. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 10:437-458.

#### **OTHER PUBLICATIONS AND REPORTS:**

**Hyrenbach, K.D.** Tale of two years: Monitoring Wedge-tailed Shearwaters at the Freeman Seabird Preserve, O'ahu. Submitted to Elepaio, In Review.

**Hyrenbach, K.D.** 2010. Pelagic Reserves for Marine Top Predators: How Big and How Many? *Current Journal* 26(2): 29-33.

**Hyrenbach, D.**, Nevins, H., Hester, M., Keiper, C., Webb, S., Harvey, J. 2009. Seabirds Indicate Plastic Pollution in the Marine Environment. In: *Marine debris in Alaska : coordinating our efforts : proceedings of the Marine Debris in Alaska Workshop, February 14-15, 2008, Anchorage, Alaska / Michael Williams and Erika Ammann*, (Editors), Fairbanks : Alaska Sea Grant College Program, University of Alaska Fairbanks, pp. 57-61.

**Hyrenbach, K.D.** 2008. Around our necks. *Natural History* 117 (5): 6 (2).

**Hyrenbach, K.D.** 2008. Applying Spatially-explicit Measures for Albatross Conservation, Pp. 118-120. In: De Roi, T., Jones, M., Fitter, J. (Eds). *Albatross: their world, their ways*. Firefly Books, Buffalo, NY.

McClatchie, S., Goericke, R., Koslow, J.A., Schwing, F.B., Bograd, S.J., Charter, R., Watson, W., Lo, N., Hill, K., Gottschalk, J., L'Heureux, M., Xue, Y., Peterson, W.T., Emmett, R., Collins, C., Gaxiola-Castro, G., Durazo, R., Kahru, M., Mitchell, B.G., **Hyrenbach, K.D.**, Sydeman, W.J., Bradley, R.W., Warzybok, P., and Bjorkstedt, E. 2008. The State of the California Current, 2007-2008: La Niña Conditions and Their Effects on the Ecosystem. *CalCOFI Reports* 49: 39-76.

**D. Hyrenbach**, A. Cañadas & R. Sagarminaga. 2008. Spatially-explicit Conservation in the Alborán Sea: Predictive Habitat Models and Gap Analysis Guide Pelagic Protected Area Designs. European MPA Symposium, Sept. 25 – 28, 2007, Murcia, (Spain). Available online at: <http://www.alboranseaconservation.org/resources.htm>

M. Louzao, J. M. Arcos, **D. Hyrenbach** & D. Oro. 2008. Marine protected areas for the conservation of Mediterranean Procellariiformes. European MPA Symposium, Sept. 25 – 28, 2007, Murcia, (Spain). Available online at: <http://www.alboranseaconservation.org/resources.htm>

J.M. Arcos, J. Bécarea, B. Rodríguez, A. Ruiz, I. Ramírez, P. Amorim, P. Geraldés, A. Meirinho, V. Paiva, C. Viada, M. Louzao & **D. Hyrenbach**. 2008. Marine Important Bird Areas (IBAs): towards the effective protection of seabirds at sea. European MPA Symposium, Sept. 25 – 28, 2007, Murcia, (Spain). Available online at: <http://www.alboranseaconservation.org/resources.htm>

Goericke, R., Venrick, E., Koslow, T., Sydeman, W.J., Schwing, F.B., Bograd, S.J., Peterson, W.T., Emmett, R., Lara-Lara, J.R., Gaxiola-Castro, G., Valdez, J.G., **Hyrenbach, K.D.**, Bradley, R.W., Weise, M.J., Harvey, J.T., Collins, C., and Lo, N.C.H. 2007. State of the California Current 2006-2007: Regional and Local Processes Dominate. *CalCOFI Reports*, 48: 33-66.

Peterson, W.T., Emmett, R., Goericke, R., Venrick, E., Mantyla, A., Bograd, S.J., Schwing, F.B., Hewitt, R., Lo, N., Watson, W., Barlow, J., Lowry, M., Ralston, S., Forney, K.A., Lavaniegos, B.E., Sydeman, W.J., **Hyrenbach, D.**, Bradley, R.W., Warzybok, P., Chavez, F., Hunter, K., Benson, S., Wiese, M., and Harvey, J. 2006. The State of the California Current, 2005–2006: Warm in the North, Cool in the South. *CalCOFI Reports*, 47: 30-74.

Rintoul, C., Langabeer-Schlagenhauf, B., **Hyrenbach, K.D.**, Morgan, K.H., Sydeman, W.J. 2006. Atlas of California Current Marine Birds and Mammals. PRBO Conservation Science. <http://prbo.org>

Nevins, H., Keiper, C., **Hyrenbach, D.**, Stock, J., Hester, M., and Harvey, J. 2005. Seabirds as Indicators and Ambassadors to Teach about Marine Plastic Pollution. Rivers to Sea Conference Proceedings Available online at: <http://conference.plasticdebris.org/whitepapers.html>

Goericke, R., Venrick, E., Mantyla, A., Bograd, S.J., Schwing, F.B., Huyer, A., Smith, R.L., Wheeler, P.A., Hooff, R., Peterson, W.T., Chavez, F., Collins, C., Marinovic, B., Lo, N., Gaxiola-Castro, G., Durazo, R., **Hyrenbach, K.D.**, and Sydeman, W.J. 2005. The State of the California Current, 2004–2005: Still Cool? *CalCOFI Reports*, 46: 32-71.

Papastavrou, V. and Leaper, R. / Gerber, **Hyrenbach, K.D.**, and Zacharias, M.A. 2005. Debating Whale Sanctuaries. *Letters to Science* 309: 51-52.

Norse, E. A., Crowder, L.B., Gjerde, K., **Hyrenbach, K.D.**, Roberts, C. and Soulé, M.E. 2005. The Potential for Reserves as an Ecosystem-based Management Tool in the Open Ocean. In: Norse, E.A., and Crowder, L.B. (Eds). Island Press, Washington D.C. Pages 302 – 327.

U.S. Fish & Wildlife Service (with contributions from Naughton, M., Mills, K., Rauzon, M., Sydeman, W., Zimmerman, T., Carter, H., Fry, M., Work, T., Newman, S., **Hyrenbach, D.**, Helm, R.) 2005. Regional Seabird Conservation Plan -Pacific Region. Portland, U.S. Fish & Wildlife Service Pacific Region.

Pederson, K.C., **Hyrenbach, K.D.**, Morgan, K., Elliott, G., Yen, P., and Sydeman, W.J. 2005. Pelagic Predators, Prey and Processes (P4): a multi-species approach to the conservation of offshore organisms and habitats in the California Current System. Proceedings of the California and the World Ocean 2002 Conference. Santa Barbara, CA, October 27-30, 2002.

Goericke, R., Bograd, S.J., Gaxiola-Castro, G., Gómez-Valdes, J., Hooff, R., Huyer, A., **Hyrenbach, K.D.**, Lavaniegos, B.E., Mantyla, A., Peterson, W.T., Schwing, F.B., Smith, R.L., Sydeman, W.J., Venrick, E., and Wheeler, P.A. 2004. The State of the California Current, 2003–2004: A Rare “Normal” Year. *CalCOFI Reports*, 45: 27-59.

Wilkinson, T., Agardy, T., Perry, S., Rojas, L., Morgan, K., **Hyrenbach, D.**, Fraser, D., Janishevski, L., Herrmann, H., and De La Cueva, H. 2004. Marine Species of Common Conservation Concern – protecting species at risk

across international boundaries. Proceedings of the Fifth International SAMPAA (Science and Management of Protected Areas) Conference, University of Victoria, Victoria, B.C., Canada. May 11 – 16, 2003. (<http://www.sampaa.org/proceedings.htm>)

Shaffer, S. Costa, D., Suryan, R., and **Hyrenbach, D.** 2004. Regional Summaries: North Pacific (section 4.1). In: BirdLife International. Global Procellariiform Tracking Workshop Report. Cambridge, BirdLife International. pp. 47-49.

**Hyrenbach, D.**, Costa, D., Croxall, J., Cuthbert, R., Gales, R., Huin, N., Nel, D., Nicholls, D., Phillips, R., Pinaud, D., Quintana, F., Robertson, C., Robertson, G., Shaffer, S., Silk, J., Stahl, J.-C., Suryan, R., Terauds, A., and Weimerskirch, H. 2004. Results: Establishment, maintenance and use of GIS tracking database (section 5.3). In: BirdLife International. Global Procellariiform Tracking Workshop Report. Cambridge, BirdLife International. pp. 64-66.

Croxall, J., Costa, D., Cuthbert, R., Gales, R., Huin, N., **Hyrenbach, D.**, Nel, D., Nicholls, D., Phillips, R., Pinaud, D., Quintana, F., Robertson, C., Robertson, G., Shaffer, S., Silk, J., Stahl, J.-C., Suryan, R., Terauds, A., and Weimerskirch, H. 2004. Conclusions and future work (chapter 6). In: BirdLife International. Global Procellariiform Tracking Workshop Report. Cambridge, BirdLife International. pp. 69-72.

Read, A.J., Halpin, P.N., Crowder, L.B., Hyrenbach, K.D., Best, B.D., and Freeman, S.A. (Editors). 2003. OBIS-SEAMAP: mapping marine mammals, birds and turtles. Web-site: <http://seamap.env.duke.edu>

Venrick, E. L., Bograd, S. J., Checkley, D., Durazo, R., Gaxiola-Castro, G., Hunter, J., Huyer, A., **Hyrenbach, K. D.**, Laveniegos, B.E., Mantyla, A., Schwing, F.B., Smith, R.L., Sydeman, W.J., Wheeler, P. 2003. The State of the California Current, 2002 – 2003: Tropical and Subarctic influences vie for Dominance. CalCOFI Reports, 44:28-60.

Schwing, F. B., Bograd, S. J., Collins, C. A., Gaxiola-Castro, G., Garcia, J., Goericke, R., Gomez-Valdez, J., Huyer, A., **Hyrenbach, K. D.**, Kosro, P. M., Lavaniegos, B. E., Lynn, R. J., Mantyla, A. W., Ohman, M. D., Peterson, W. T., Smith, R. L., Sydeman, W. J., Venrick, E. L., Wheeler, P. 2002. The State of the California Current, 2001 – 2002: Will the CCS keep its cool, or is El Niño looming? CalCOFI Reports, 43:14-31.

Durazo, R., Baumgartner T. R., Bograd, S. J., Collins, C. A., De La Campa, S., Garcia, J., Gaxiola-Castro, G., Huyer, A., **Hyrenbach, K. D.**, Loya, D., Lynn, R. J., Schwing, F. B., Smith, R. L., Sydeman, W. J., and Wheeler, P. 2001. The State of the California Current, 2000 – 2001: A third straight La Niña year. CalCOFI Reports, 42:29-60.

Parrish J.K., Logerwell, E.A., Sydeman, W., and **Hyrenbach, D.** 2001. Of sardines and seabirds. In: Phillips, S.H. (Ed.), Proceedings of the Sardine Symposium 2000. (pp. 71-77). Pacific States Marine Fisheries Commission, Gladstone, Oregon. Available at: <http://www.psmfc.org/tsc2/>

Veit, R. R. and **Hyrenbach, K. D.** 2001. Changes in Seabird Communities of the California Current, 1987-1999. In: Green, R.E., Harley, M., Spalding, M., and Zöckler C. (Eds.), Impacts of climate change on wildlife. (pp. 34-37). Proceedings of the "No place to go" Climate Change and Wildlife Conference. University of East Anglia, Norwich, England, September 16-19, 1999.

Bograd, S. J., DiGiacomo, P. M., Durazo, R., Hayward, T. L., **Hyrenbach, K. D.**, Lynn, R. J., Mantyla, A. W., Schwing, F. B., Sydeman, W. J., Baumgartner, T., Lavaniegos, B., and Moore, C. S. 2000. The State of the California Current, 1999-2000: Forward to a new regime? CalCOFI Reports, 41:26-52.

Hayward, T. L., Baumgartner T. R., Checkley, D. M., Durazo, R., Gaxiola-Castro, G., **Hyrenbach, K. D.**, Mantyla, A. W., Mullin M. M., Murphree T., Schwing F. B., Smith P. E., and Tegner, M. J. 1999. The State of the California Current, 1998-1999: Transition to cool-water conditions. CalCOFI Reports, 40:29-62.

Lynn, R. J., Baumgartner T., Collins, C. A., Garcia, J., Hayward, T. L., **Hyrenbach, K. D.**, Mantyla, A. W., Murphree, T., Shankle, A., Schwing F. B., Sakuma K. M., and Tegner, M. J. 1998. The State of the California Current, 1997-1998: Transition to El Niño Conditions. *CalCOFI Reports*, 39:25-49.

#### **PUBLIC OUTREACH ARTICLES:**

Midweek Newspiece, September 24, 2008. "HPU Tracks Winged Ambassadors Across the Ocean".

Available online at: [http://www.hpu.edu/images/AcademicPrograms/College\\_of\\_Natural\\_Sciences/HPU092408\\_a24292.pdf](http://www.hpu.edu/images/AcademicPrograms/College_of_Natural_Sciences/HPU092408_a24292.pdf)

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Keiper, C.A., Hester, M.M., and **Hyrenbach, K.D.** 2005. 'Wonderous Ocean Wanderers in Our Own Front Yard'. *Hydrosphere* 17: 1, 10-11. <http://www.farallones.org/docs/albatross.pdf>

Louzao, M., Arcos, J.M., **Hyrenbach, K.D.**, Abelló, P., Gil Desola, L., and Oro, D. 2004. Resultados preliminares sobre el habitat de alimentacion de la pardela balear en el levante Iberico Peninsular. *Anuario Ornitologico Balear* 19: 61-67.

**Hyrenbach, K.D.** 'Warming Event in a Cold Ocean'. *Observer*, number 130, Fall 2002. pp. 4.

Sydeman, W.J., and **Hyrenbach, K.D.** 'Sea Change'. *Observer*, number 127, Winter 2002. pp. 1-8.

**Hyrenbach, K.D.** 'Foraging Destinations'. *Observer*, number 126, Fall 2001. pp. 6-7.

#### **SCIENTIFIC PRESENTATIONS (in the last 2 years):**

**Hyrenbach, K.D.**, Hester, M.M., Nevins, H-R. 2010. Plastic ingestion by North Pacific seabirds: progress review and future direction. 1st World Seabird Conference, Victoria, B.C., Canada, September 7-11, 2010 (Invited Oral Presentation).

**Hyrenbach, K.D.**, LeCorre, M., Rieser, A., Adams, J. 2010. Advances in seabird conservation: towards Ecosystem-Based Management. 1st World Seabird Conference, Victoria, B.C., Canada, September 7-11, 2010 (Invited Oral Presentation).

Titmus, A.J., **Hyrenbach, K.D.** 2010. Habitat associations of seabirds and marine debris in the North East Pacific at multiple spatial scales. 1st World Seabird Conference, Victoria, B.C., Canada, September 7-11, 2010 (Invited Oral Presentation).

Phillips, E., Zamon, J., Adams, J., **Hyrenbach, K.D.** 2010. Anomalous Pink-footed Shearwater abundances in Oregon and Washington coastal waters: an ecosystem indicator in the northern California Current. 1st World Seabird Conference, Victoria, B.C., Canada, September 7-11, 2010 (Oral Presentation).

Adams, J., Suryan, R., **Hyrenbach, K.D.** 2010. Connectivity and summertime use of West Coast U.S. National Marine Sanctuaries by migratory Sooty Shearwaters (*Puffinus griseus*). 1st World Seabird Conference, Victoria, B.C., Canada, September 7-11, 2010 (Invited Oral Presentation).

Titmus, A.J., Hester, M.M., Vanderlip, C., **Hyrenbach, K.D.** 2010. Plastic ingestion by Black-footed and Laysan Albatross on Kure Atoll, Hawaii. 1st World Seabird Conference, Victoria, B.C., Canada, September 7-11, 2010 (Poster Presentation).

Michael, P., Etherington, L., Jahncke, J., **Hyrenbach, K.D.** 2010. Describing dispersion and habitat associations of Black-footed Albatross in central California marine sanctuaries. 1st World Seabird Conference, Victoria, B.C., Canada, September 7-11, 2010 (Poster Presentation).

**Hyrenbach, K.D.** 2010. Oceanographic Considerations for Marine Spatial Planning in the High Seas. Fifth International Fishers' Forum, Taipei, Taiwan, August 3-5, 2010. (Invited Oral Presentation).

Ainley, D.G., **Hyrenbach, K.D.** 2009. Top-down and bottom-up factors affecting seabird population trends in the California Current System (1985-2006). 3rd GLOBEC Open Science Meeting, Victoria, BC (Canada). June 22-26, 2009. (Oral Presentation).

Asuncion, B., Balazs, G., Friedlander, A., Hargrove, S., **Hyrenbach, D.**, Vetter, E. 2009. Evaluating Spatial and Temporal Patterns of Green Turtle Distribution at a Foraging Hotspot in Kailua, O'ahu. Hawai'i Conservation Alliance Conference, O'ahu, HI. July 28-30, 2009 (Poster Presentation).

**Hyrenbach, K.D.** 2009. Oceanographic Considerations. MPA-U: Principles & Practices for Establishing Resilient MPA Networks - Making it Happen. International Marine Conservation Congress, Washington, D.C., May 17 - 19. (Oral Presentation).

**Hyrenbach, K.D.** 2009. Albatross as indicators of plastic pollution in the marine environment. Plastic and Hawai'i's Marine Life Lecture & Film Series, O'ahu, HI. UH Manoa. April 29, 2009.(Oral Presentation)

**Hyrenbach, K.D.** 2009. MPA designs: large dynamic features and oceanic species. Workshop 2: Criteria for Marine Mammal Critical Habitat to make MPA Networks more Effective. International Marine Mammal Protected Area Conference, Maui, HI, March 29 - April 3. (Oral Presentation).

**Hyrenbach, K.D.** 2009. Oceanographic Considerations. Symposium 3: Networking for the future of MMPAs and MMPA Networks. International Marine Mammal Protected Area Conference, Maui, HI, March 29 - April 3. (Oral Presentation).

**Hyrenbach, K.D.** 2009. How to deal with temporally and spatially dynamic critical habitats? Panel 3 - How can MPAs and networks of MPAs ensure threat mitigation to cetaceans? International Marine Mammal Protected Area Conference, Maui, HI, March 29 - April 3. (Oral Presentation).

Lavender, K., Morét, S., **Hyrenbach, D.**, Titmus, A. 2009. Marine Debris in the Pacific Ocean: Quantifying the "Eastern Garbage Patch". American Society of Limnology and Oceanography - Nice, (France). 25 - 30 January 2009. (Poster Presentation)

**PROFESSIONAL SERVICE:**

Member, Federal Marine Protected Area Advisory Committee, July 2010 – present  
 Chair, HPU Undergraduate Curriculum Committee, January 2009 – present  
 Member, HPU Undergraduate Curriculum Committee, September 2008 – December 2008  
 Review Editor, Marine Ecology Progress Series. March 2006 – present  
 Member, Mediterranean Group of WCPA Marine. October 2005 – present  
 Associate, Center for Marine Conservation at Duke University. January 2005 - present  
 Associate, CalCOFI long-term ecological research (LTER) program. November 2004 - present  
 Chair, North Pacific Albatross Working Group. December 2004 – December 2006  
 Representative Duke University Animal Care Committee, January 2004 – June 2005  
 Invited editor, Seabird Biogeography Symposium, Marine Ornithology. Fall 2003  
 Anonymous Reviewer, Marine Ecology Progress Series. June 2001 - February 2006  
 U.S. Seabird Representative, Marine Species of Common Conservation Concern, Nov. 2000 - April 2004  
 Student Representative, Campus Planning Committee, U.C. San Diego. Sept. 1995 - June 1998  
 Student Representative, Park Committee, U.C. San Diego. Sept. 1991 - March 1993 & Sept. 1995 - June 1998

**PROFESSIONAL MEMBERSHIPS:**

Hawai'i Audubon Society  
 Pacific Seabird Group

American Association for Advancement of Science  
 Society for Conservation Biology

**COLLABORATORS (last two years)**

Mr. Josh Adams (Moss Landing Marine Labs)  
 Dr. Pep Arcos (SEA / BirdLife)  
 Dr. Larry Crowder (Duke University)  
 Dr. Alan Friedlander (UH / USGS Coop Unit)  
 Ms. Stacy Hargrove (NOAA - PIFSC)  
 Ms. Michelle Hester (Oikonos)  
 Dr. Sascha Hooker (University St. Andrews, UK)  
 Ms. Hannahrose Nevins (Moss Landing Marine Labs)  
 Dr. Scott Shaffer (Cal. State Univ.)  
 Dr. Eric Vetter (HPU)

Dr. David Ainley (H.T. Harvey)  
 Mr. George Balazs (NOAA - PIFSC)  
 Dr. Paul Dayton (S.I.O.)  
 Dr. Eric Gilman (HPU)  
 Dr. Jim Harvey (Moss Landing Marine Labs)  
 Dr. Peter Hodum (Oikonos)  
 Mr. Ken Morgan (CWS, Canada)  
 Dr. Elliott Norse (MCBI)  
 Dr. Rob Suryan (Oregon State Univ.)  
 Dr. Lindsay Young (Pacific Rim Conservation)