

BRIAN N. TISSOT
Curriculum Vitae

Director, Marine Laboratory
Professor, Dept. of Biological Sciences
Humboldt State University
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[Http://BenthicEcology.org](http://BenthicEcology.org)

EDUCATION

- 1985-1991 *Ph.D. Zoology*, Oregon State University, Corvallis, Oregon. Advisor: Dr. Mark Hixon
- 1982-1985 *M.S. Ecology and Evolutionary Biology*, University of California, Irvine, California. Advisor: Dr. Gayle Brenchley
- 1975-1980 *B S. Biological Sciences, Cum Laude*, California Polytechnic State University, San Luis Obispo, California. Advisor: David Montgomery

ACADEMIC POSITIONS

- 2013-now Director, Marine Laboratory, Professor of Biology, Humboldt State University
- 2009-2013 Professor of Environmental Science, Washington State University.
- 1998-2009 Associate Professor of Environmental Science, Washington State University.
- 1996-1998 Associate Professor of Marine Biology, Marine Science Department, University of Hawai'i at Hilo.
- 1992-1996 Assistant Professor of Marine Biology, Marine Science Department, University of Hawai'i at Hilo.
- 1990-1992 Postdoctoral Fellow, Department of Zoology, Oregon State University.
- 1988-1990 Lecturer, Departments of Zoology and Biology, Oregon State University.
- 1985 Instructor, Department of Ecology and Evolutionary Biology, University of California, Irvine, CA.

RECENT GRANTS

Grants awarded since 1998: ~\$7 million

<i>Period</i>	<i>Title</i>	<i>Program</i>	<i>Role</i>	<i>Amount</i>
2013-2014	Ecology and Fishing Impacts on Aquarium Fishes on Mesophotic Reefs in Hawaii	NOAA, Coral Reef Conservation Program	PI	\$79,870
2012-2013	Benthic Habitats in Bering Sea Submarine Canyons	Marine Conservation	PI	\$40,000

Alliance				
2011-2012	Identification of glass sponges from Grays canyon collected with an AUV	NOAA, NW Fisheries Science Center	Contractor	\$38,800
2011-2012	Effects of venting, decompression, transport and holding on coral reef fish in the aquarium trade in Hawaii	NOAA, Coral Reef Conservation Program	PI	\$90,000
2010-2011	Improving Management of Hawaii's Marine Aquarium Fishery through Evaluation of Ecological and Socioeconomic Indicators	NOAA, Coral Reef Conservation Program	PI	\$49,900
2010-2011	Deep-sea corals of the Olympic Coast National Marine Sanctuary	Olympic Coast Bank National Marine Sanctuary	PI	\$10,000
2010-2012	Science support for wave energy benthic Impacts study	BOEMRE (through OSU)	Contractor	\$24,280
2009-2010	Acquisition of equipment for improving education in math and environmental science	Murdock Charitable Trust	Co-PI	\$220,000
2008-2013	Global change in a local context: Partners in discovery of the Columbia river watershed	National Science Foundation, GK-12 Program	Co-PI	\$2,711, 200
2008-2009	Baseline surveys of deep-water demersal communities in and near central California MPAs	California Ocean Protection Council	Co-PI	\$650,000*
2009-2010	Science Support for the Oregon Marine Reserve Process	Packard Foundation	Co-PI	\$12,210
2008-2009	Evaluating the effectiveness of marine protected areas for enhancing an aquarium fishery and alleviating conflict in Hawai'i	NOAA, Coral Reef Conservation Program	PI	\$49,604
2007-2008	Baseline surveys of deep-water demersal communities in and near central California MPAs	California SeaGrant	Co-PI	\$650,000*
2007-2008	Effects of habitat and predation on the effectiveness of an MPA network to replenish the aquarium	NOAA, Habitat Conservation Program	PI	\$40,000

fish, <i>Zebrasoma flavescens</i>					
2006-2007	Development of a geodatabase of structure-forming invertebrates, with special reference to deep-sea corals, from previously completed submersible dives	National Undersea Research Program	Co-PI	\$16,148	
2006-2008	Larval connectivity and fish population replenishment in an MPA network	Hawaii SeaGrant	Co-PI	\$54,106*	
2006-2008	Larval connectivity and fish population replenishment in a network of marine managed areas for tropical aquarium fisheries	Conservation International	Co-PI	\$50,000*	
2006-2009	Larval connectivity and fish population replenishment in West Hawaii	Cascadia Conservation Trust	Co-PI	\$50,000*	
2006-2007	Effects of habitat on the settlement and survivorship of yellow tangs (<i>Zebrasoma flavescens</i>) in an MPA network in Hawaii	NOAA, Coral Reef Conservation Program	PI	\$50,000	
2005-2006	Distribution and abundance of deep-sea corals off California	NOAA, Coral Reef Conservation Program	PI	\$18,000	
2005-2006	Assessment of genetic diversity and connectivity in fish replenishment areas in the Hawaiian yellow tang (<i>Zebrasoma flavescens</i>)	NOAA, National Ocean Services	Co-PI	\$43,000*	
2004-2005	Integrated monitoring of coral reefs of West Hawai'i: developing a whole reef and ecosystem approach for the main Hawaiian Islands	NOAA, National Ocean Services	Co-PI	\$90,700*	
2004-2005	Effects of habitat and life history characteristics on marine reserve effectiveness	NOAA, Coral Reef Conservation Program	PI	\$40,000	
2004-2006	Megafaunal Invertebrates of Cordell Bank	Cordell Bank National Marine Sanctuary	Contractor	\$19,890	

2004-2007	Macroinvertebrates and associated habitats from submarine canyons off central California	Monterey Bay Sanctuary Foundation	Contractor	\$44,919
2003-2004	Evaluation of the effectiveness of fishery replenishment areas in west Hawai'i with recommendations towards the establishment of an MPA network in the state of Hawai'i	NOAA, National Ocean Services	PI	\$89,000*
2003-2004	Long-term data analysis of populations of the black abalone	NOAA, Protected Species Program	Contractor	\$24,900
2003	Acquisition of analytical equipment supporting research in biology and geochemistry	Murdock Charitable Trust	Co-PI	\$364,000
2002-2003	Impacts of aquarium fish collecting and the effectiveness of MPAs in Hawai'i	NOAA, National Ocean Services Program	PI	\$102,000
2002-2004	Fish-habitat associations on Heceta Bank, Oregon	NOAA, NW Fisheries Science Center	Contractor	\$48,800
2002-2005	Macroinvertebrates and associated habitats in the Cowcod Conservation Areas off southern California	NOAA, SW Fisheries Science Center	Contractor	\$70,063
2002-2003	Importance of basket stars as essential fish habitat on the Oregon continental shelf	Murdock Charitable Trust, Partners in Science Program	PI	\$14,000
2001-2002	Ocean exploration off the west coast of the U.S.: A voyage of discovery to unexplored marine habitats in the northeast Pacific - completing the Lewis and Clark legacy	NOAA, Ocean Exploration	Co-PI	\$855,000*
2001-2002	Impacts of aquarium collectors and the effectiveness of marine protected areas in Hawai'i	NOAA, National Ocean Services	PI	\$151,000
2000-2003	PRISSM: Planning for Reform in Secondary Science and Math	National Science Foundation	Co-PI	\$50,215

2000-2001	Impacts of aquarium collectors and the effectiveness of marine protected areas in Hawai'i	NOAA, National Ocean Services	PI	\$184,000*
1999-2001	Combining historical data, high resolution seafloor Imagery, and new survey and analysis techniques in fisheries habitat studies off Oregon	NOAA, National Undersea Research Program	Co-PI	\$350,000*
1999-2000	Impacts of aquarium collectors and the effectiveness of marine protected areas in Hawai'i	NOAA, National Ocean Services	PI	\$70,000*
1999-2000	Hawai'i coral reef monitoring and assessment program	NOAA, National Ocean Services	Co-PI	\$220,000*
1998-1999	Hawai'i coral reef monitoring and assessment program	NOAA, National Ocean Services	Co-PI	\$197,000*

PUBLICATIONS (*peer reviewed; &co-authored with students)

1. **Tissot, B. N.** 1982. Heat tolerance in the red abalone, *Haliotis rufescens*: 96-hour median effective temperature (96-h ET50). Section 2.5. In: Compendium of thermal effects laboratory studies. Volume 1. Tera Corporation. Berkley, CA.
2. **Tissot, B. N.** 1982. Optimal growth in the black abalone, *Haliotis cracherodii*. Section 3.5.2. In: Compendium of thermal effects laboratory studies. Volume 2. Tera Corporation. Berkley, CA.
3. Lebednik, P. and **Tissot, B. N.** 1983. Compendium of thermal effects laboratory studies. Addendum A. Heat treatment experiments. Tera Corporation. Berkley, CA.
4. ***Tissot, B. N.** and J. R. Steinbeck. 1983. Microgeographic variation in *Collisella digitalis*: the use of shell morphometrics as a possible indicator of thermal impact. Chapter 9 In: *Environmental Investigations at Diablo Canyon*, 1982. D. W. Behrens, ed. Pacific Gas and Electric Company, Department of Engineering Research, San Ramon, CA.
5. ***Tissot, B. N.** 1984. Multivariate analysis of geographic variation in *Cypraea caputserpentis* (Gastropoda: Cypraeidae). *Veliger* 27(2): 106-119.
6. ***Tissot, B. N.** 1988. Geographic variation and heterochrony in two species of cowries (genus *Cypraea*). *Evolution* 42(1): 103-117.
7. ***Tissot, B. N.** 1988. Morphological variation along intertidal gradients in a population of black abalone *Haliotis cracherodii* Leach 1814. *J. Exp. Mar. Biol. Ecol.* 117: 71-90.
8. ***Tissot, B. N.** 1988. Multivariate Analysis. Chapter 3 In: M. McKinney, ed. *Heterochrony In Evolution: A Multidisciplinary Approach*. Plenum Press, New York.
9. **Tissot, B. N.** 1990. El Niño responsible for decline of black abalone off southern California. *Hawaiian Shell News* 38(6): 3-4.
10. Hixon, M. A., **B. N. Tissot**, W. G. Percy. 1991. Fish Assemblages of Rocky Banks of the Pacific Northwest. Final Report, OCS Study 91-0052, *U. S. Minerals Management Service*, Camarillo, CA. 410 pp.

11. Hixon, M. A. and **B. N. Tissot**. 1992. Fish Assemblages of Rocky Banks of the Pacific Northwest. Final Report Supplement, OCS Study 91-0025, *U. S. Minerals Management Service*, Camarillo, CA. 128 pp.
12. ***Tissot, B. N.** 1992. The effects of water movement on the ecology and evolution of the Haliotidae. Chapter 4 *In*: S. Shepherd and M. Tegner, eds. *Proceedings of the First International Abalone Symposium: Biology, Fisheries, and Culture*. La Paz, Mexico. Blackwells Sci. Publ. Ltd., Sydney.
13. *Stein, D. L., **B. N. Tissot**, M. A. Hixon and W. A. Barss. 1992. Fish-habitat associations on a deep reef at the edge of the Oregon continental shelf. *Fisheries Bulletin* 90: 540-551.
14. *Arnold, J. E. and **B. N. Tissot**. 1993. Measurement of significant marine paleotemperature variation using black abalone shells from prehistoric middens. *Quaternary Research* 39: 390-394.
15. *Lubchenco, J. L., S. A. Navarette, **B. N. Tissot**, and J. C. Castilla. 1993. Possible ecological responses to global climate change: nearshore benthic biota of northeastern Pacific coastal ecosystems. Chapter 12 *In*: H. A. Mooney, E. R. Fuentes, and B. I. Kronberg. eds. *Earth System Responses to Global Change: Contrasts between North and South America*. Academic Press, San Diego.
16. *Walls, S. C., J. J. Beatty, **B. N. Tissot**, D. G. Hokit and A. R. Blaustein. 1993. Morphological variation and cannibalism in a larval salamander. *Can. J. Zool.* 71: 1543-1551.
17. ***Tissot, B. N.** 1995. Recruitment, growth, and survivorship of black abalone on Santa Cruz Island following mass mortality. *Southern California Academy of Sciences* 94(3): 32-47.
18. McDermid, K., **Tissot, B. N.**, L. Hallacher, W. Dudley, M. Childers and J. Coney. 1995. Marine flora and fauna assessment for the Hawai'i undersea geo-observatory project at Honu'apo, Hawai'i County. State of Hawaii Environmental Assessment.
19. *Starr, R. M., D. S. Fox, M. A. Hixon, **B. N. Tissot**, G. Johnson and W. H. Barss. 1996. Comparison of submersible and acoustic estimates of fish density on a rocky bank. *Fishery Bulletin* 94: 113-123.
20. **Tissot, Brian N.** 1998. Changes in the habitat and marine biota of Pelekane Bay, Hawai'i, over a 20 year period. U. S. Fish and Wildlife Service Technical Report. 34 pp.
21. **Tissot, B. N.**, K. McDermid, Mike Gawel and A. Edward. 1998. Impacts of nearshore dredging activities on marine biological communities on Pohnpei. Univ. Hawaii Sea Grant Technical Report. 59 pp.
22. Hallacher, L. E. and **B. N. Tissot**. 1999. QUEST: Quantitative Underwater Ecological Survey Techniques: A coral reef monitoring workshop. Proceedings of the Hawai'i Coral Reef Monitoring Workshop, Dept. of Land and Natural Resources, Honolulu, HI.
23. **Tissot, B. N.** and L. E. Hallacher. 1999. The impacts of aquarium collectors on coral reef fishes in Hawaii. Technical Report, Division of Aquatic Resources, Honolulu, HI.
24. **Tissot, B. N.** 1999. Adaptive Management of Aquarium Fish Collecting in Hawaii. *Live Reef Fish Information Bulletin* 6: 16-19.
25. **Tissot, B. N.** and L. E. Hallacher. 2000. Diver impacts on corals at Kealakekua Bay, Hawaii. Technical Report, Division of Aquatic Resources, Honolulu, HI. 10 pp.
26. ***Tissot, B. N.** and D. M. Brosnan. 2001. Long term coral reef monitoring programs: working towards a synthesis of science, management and policy. *In*: Best, B. and R. Pomeroy, Relevant Findings from the 9th International Coral Reef Symposium: Implications for Coral Reef Management and Policy. USAID.

27. *Nasby, N. Embley, R., **Tissot, B.N.**, Hixon, M., Wright, D.J., Merle, S. and W. Wakefield. 2002. Integration of historical groundfish habitat data with new high resolution remotely sensed data on Heceta Bank, Oregon. *Fisheries Bulletin* 100(4):739-751.
28. ***Tissot, B. N.** and L. E. Hallacher. 2003. The effects of aquarium collectors on coral reef fishes in Hawaii. *Conservation Biology* 17(6): 1759-1768
29. ***Tissot, B.N.** , Walsh, W. and L. E. Hallacher. 2004. Evaluating the effectiveness of a marine reserve network in Hawaii to increase the productivity of an aquarium fishery. *Pacific Science* 58(2): 175-188.
30. *Brown, E., E. Cox, P. Jokiel, K. Rodgers, W. Smith, **B. N. Tissot**, S. Coles and J. Hultquist. 2004. Development of benthic sampling methods for the Coral Reef Assessment and Monitoring Program (CRAMP) in Hawai'i. *Pacific Science* 58(2): 145-158.
31. ***Tissot, B. N.**, W. W. Wakefield, N.P.F. Puniwai, J. Pirtle, K.York and J. E.R. Clemons. 2004. Abundance and distribution of structure-forming megafaunal invertebrates, including cold-water corals, on Heceta Bank, Oregon, 2000-2002. NOAA Technical Report, 48pp.
32. *Aaby, A., D. J. Wright, **B. N. Tissot**. 2004. Case study of the ArcGIS marine data model: examining habitat utilization patterns of reef fish along the west coast of Hawaii. Proc. 24th Annual ESRI User Conference, San Diego, CA, Paper 1458.
33. *Capitini, C., **B. N. Tissot**, M. Carroll, W. Walsh and S. Peck. 2004. Aquarium fisheries management in west Hawaii: a dynamic conflict. *Soc. Nat. Res.* 17: 763-778.
34. **Tissot, B. N.** 2004. Long-term population trends in the black abalone, *Haliotis cracheroidii*, along the eastern pacific coast. NOAA Protected Species Program Technical Report (for ESA Status Review). 41 pp.
35. Walsh, W. J., **B. N. Tissot** and L. E. Hallacher. 2004. A report on the findings and recommendations of effectiveness of the West Hawai'i Regional Fishery Management Area. Report to the 23rd Hawaii State Legislature. 38 pp.
36. ***Tissot, B. N.** 2005. Integral marine ecology: community-based fishery management in Hawaii. *World Futures* 61: 79-95.
37. *Wakefield, W.W., C.E. Whitmire, J.E.R. Clemons, **B.N. Tissot**. 2005. Fish habitat studies: Combining high-resolution geological and biological data. In P. W. Barnes and J. P. Thomas, editors. Benthic habitats and the effects of fishing. American Fisheries Society, Symposium 41; 199-138. Bethesda, Maryland.
38. **Tissot, B.N.**, Walsh, W. and L. E. Hallacher. 2005. Evaluating the effectiveness of an MPA network in Hawai'i: ecological, economic and social dimensions. *Proceedings of the North American Marine Protected Areas Network Symposium on financing and economic benefits of Marine Protected Areas*, Loreto, Mexico. 11pp.
39. *Lummio, M. and **B. N. Tissot**. 2006. Abundance and distribution of coral and coral mortar in the powder magazine at Fort Vancouver, WA circa 1832. Fort Vancouver National Park, Technical Report. 6 pp.
40. ***Tissot, B. N.**, M. M. Yoklavich, M. S. Love, K. York and M. Amend. 2006. Benthic invertebrates that form habitat structures on deep banks off southern California, with special reference to deep sea coral. *Fisheries Bulletin* 104: 167-181.
41. *Williams, I. D., W.J. Walsh, **B.N. Tissot**, L.E. Hallacher. 2006. Impact of observers' experience level on counts of fishes in underwater visual surveys. *Marine Ecology Progress Series* 310: 185-191.

42. *Hixon, M. A. and **B. N. Tissot**. 2007. Comparison of trawled vs. untrawled mud seafloor assemblages of fishes and macroinvertebrates at Coquille Bank, Oregon. *J. Exp. Mar. Biol. Ecol.* 344: 23-34.
43. ***Tissot, B. N.**, M. A. Hixon and D. L. Stein, D. L. 2007. Habitat-based submersible assessment of groundfish assemblages at Heceta Bank, Oregon from 1988 to 1990. *J. Exp. Mar. Biol. Ecol.* 352: 50-64.
44. *Whitmire, C.E., Embley, R.W., Wakefield, W.W., Merle, S.G., and **Tissot, B.N.** 2007. A quantitative approach for using multibeam sonar data to map benthic habitats, *In* Todd, B.J., and Greene, H.G., eds., *Mapping the Seafloor for Habitat Characterization: Geological Association of Canada, Special Paper 47*, p. 111-126.
45. Starr, R., M. Yoklavich and B. Tissot. 2008. Monitoring MPAs in deep water off central California: 2007 IMPACT submersible baseline survey. California Sea Grant College Program Publication No. T-067. 21pp
46. ***Tissot, B. N.** 2008. Video analysis, experimental design, and database management of submersible-based habitat studies. *In* J.R. Reynolds and H.G. Greene (eds). *Marine Habitat Mapping Technology for Alaska*, Alaska Sea Grant College Program, Fairbanks, AK. CD-ROM. doi:10.4027/mhmmta.2008.11
47. ***Tissot, B. N.**, W. W. Wakefield, M. A. Hixon and J. E. R. Clemons. 2008. Twenty years of fish-habitat studies on Heceta Bank, Oregon. *In* J.R. Reynolds and H.G. Greene (eds). *Marine Habitat Mapping Technology for Alaska*, Alaska Sea Grant College Program, Fairbanks, AK. CD-ROM. doi:10.4027/mhmmta.2008.15
48. *Ortiz, D. M and **B. N. Tissot**. 2008. Ontogenetic patterns of habitat use by a coral reef fish in an MPA network: A multi-scaled remote sensing and in-situ approach. *Mar. Ecol. Prog. Ser.* 365: 217-232.
49. ***Tissot, B. N.** 2009. Integral marine ecology: community-based fishery management in Hawaii. Chapter 13 *In* S. Hargens and M. Zimmerman. *Uniting Multiple Perspectives in the Natural World*. Shambhala Publications, Boston, MA.
50. *Williams, I. D., W.J. Walsh, J. T. Claisse, **B.N. Tissot**, K. A. Stamoulis. 2009 Impacts of a Hawaiian marine protected area network on the abundance and fishery sustainability of the yellow tang, *Zebrasoma flavescens*. *Biological Conservation* 142: 1066-1073.
51. ***Tissot, B. N.** W. J. Walsh, and M. A. Hixon. 2009. Hawaiian Islands Marine Ecosystem Case Study: Ecosystem and Community-Based Management in West Hawaii. *Coastal Manag.* 37: 255-273.
52. *Christie, P., Pollnac, R. B., Fluharty, D. L., Hixon, M. A., Lowry, G. K., Mahon, R., Pietri, D., **Tissot, B. N.**, White, A. T., Armada, N., Liza Eisma-Osorio, R. L.. 2009. Tropical Marine EBM Feasibility: A Synthesis of Case Studies and Comparative Analyses. *Coastal Manag* 37: 374-385
53. **Tissot, B. N.** 2009. The Importance of Deep-Sea Coral Communities. Wings, Spring 2009. pp. 24-28. The Xerces Society, Portland, OR
54. ***Tissot, B. N.** Barbara A. Best, Eric H. Borneman, Andrew W. Bruckner, Cara H. Cooper, Heather D'Agnes, Timothy P. Fitzgerald, Amanda Leland, Susan Lieberman, Amy Mathews Amos, Rashid Sumaila, T.M. Telecky. Frazer McGilvray, Brian J. Plankis, Andrew L. Rhyne, Glynnis G. Roberts, Benjamin Starkhouse, Todd C. Stevenson. 2010. How US Ocean Policy and Market Power Can Reform the Coral Reef Wildlife Trade. *Marine Policy* 34: 1385-1388.
55. *Newman, M. **Tissot, B. N.** And G. VanBlaricom. 2010. Overall status and threats assessment of black abalone (*Haliotis cracherodii* Leach, 1814) populations in California. *J. Shellfish Res.* 29(3): 577-586.

56. *Christie M.R., **Tissot B.N.**, Albins M.A., Beets J.P., Jia Y., et al. 2010. Larval Connectivity in an Effective Network of Marine Protected Areas. PLoS ONE 5(12): e15715. doi:10.1371/journal.pone.0015715.
57. *Stevenson, T. C., **Tissot, B. N.** J. Derking. 2011. Fisher Behavior Influences Catch Productivity and Selectivity in West Hawaii's Aquarium Fishery. ICES Journal of Marine Science 68(5): 813-822
58. *Grorud-Colvert, K. Joachim Claudet, Mark Carr, Jennifer Caselle, Jon Day, Alan Friedlander, Sarah Lester, Thierry Lison de Loma, **B. Tissot**, Dan Malone. 2011. The assessment of marine reserve networks: guidelines for ecological evaluation. Pp. 293-321 In: Claudet, J. (ed) Marine Protected Areas: A Multidisciplinary Approach. Cambridge Univ. Press. Cambridge, UK.
59. *Ortiz, D, M. and **B. N. Tissot**. 2012. Evaluating ontogenetic patterns of habitat use by reef fish in relation to the effectiveness of marine protected areas in West Hawaii. J. Exp. Mar. Biol. Ecol. 432-433: 83-93. PDF
60. *Fox, H. E., K. M. Haisfield, M. S. Brown, T. C. Stevenson, **B. N. Tissot**, W. J. Walsh, I. D. Williams. 2012. Influences of oceanographic and meteorological features on reef fish recruitment in Hawai'i. Mar. Ecol. Prog. Ser. 463: 259-272
61. *Stevenson, T. C. and **B. N. Tissot**. 2013. Evaluating Marine Protected Areas for Managing Marine Resource Conflict in Hawaii. Marine Policy. 39: 215-223
62. *Stevenson, T. C., **B. N. Tissot** and W. J. Walsh. 2013. Socioeconomic Consequences of Fishing Displacement from Marine Protected Areas in Hawaii. Biol. Conservation 160: 50-58.
63. **Tissot, B. N.** and S. Rooney. 2013. Benthic Habitats in Bering Sea Submarine Canyons. Marine Conservation Alliance, Technical Report. 53 pp.
64. Maui Coral Reef Recovery Team. 2013. Ola Nā Papa i Mālama 'Ia: A Practical Plan for the Technical and Cultural Restoration of Maui's Coral Reefs. Maui Nui Marine Resource Council, Kahului, Maui. 100 pp. (**one of 16 authors**).
65. Walsh, W., S. Cotton, C. Barnett, C. Couch, L. Preskitt, **B. Tissot**, and K. Osada-D'Avella. 2013. Long-term monitoring of coral reefs of the main Hawaiian Islands. Hawaii Division of Aquatic Resources Technical Report. 97 pp.
66. Calado, R., M. C. Leal, M. C.M. Vaz, C. Brown, R. Rosa, T. C. Stevenson, C. H. Cooper, **B. N. Tissot**, Y. Li, D. J. Thornhill. 2014. Caught in the Act: how the U.S. Lacey Act can hamper the fight against cyanide fishing in tropical coral reefs. Conservation Letters DOI: 10.1111/conl.12088.
67. Stevenson, T. C. and B. N. Tissot. 2013. Current trends in the analysis of marine resource co-management arrangements in coral reef ecosystems: a social-ecological systems perspective. Current Opinion in Environmental Sustainability. 7.

Manuscripts in preparation

68. Grorud-Colvert, K., Claudet, J., **Tissot, B. N.**, Caselle, J., Carr, M. H., Day, J. C., Friedlander A. M., Lester, S. E. Lison de Loma, T. Malone, D., and W. J. Walsh. *In prep*. Different types and different outcomes of marine protected area networks: How do we assess whether the whole is greater than the sum of its parts? PLoS One.
69. Munday, E.S., **Tissot, B. N.**, Heidel, J.R., Miller-Morgan, T. *In Prep*. Effects of venting and decompression on mortality and sublethal effects in yellow tangs caught for the aquarium trader. Conserva. Physiol.
70. *York, K. and **B. N. Tissot**. Resource partitioning in an assemblage of deep-water demersal rockfish (*Sebastes* spp). on the Northeast Pacific continental shelf. To be submitted to *Marine Ecology Progress Series*

PROFESSIONAL AWARDS

1996	Board of Regents' Award for Excellence in Teaching, University of Hawaii at Hilo.
1994	Chancellor's Award for Excellence in Teaching, University of Hawaii at Hilo.
1989	Outstanding Graduate Student Publication, Oregon State University, Corvallis, OR.
1989	Atlantic-Richfield Environmental Award for Best Paper, Southern California Academy of Sciences, Thousand Oaks, CA.
1988	Reynolds Marine Science Scholarship, Hatfield Marine Science Center, Newport, OR.
1984	Edward A. Steinhaus Outstanding Teaching Assistant, University of California, Irvine, CA.
1982	Delmar C. Seawright Outstanding Paper, Annual Meeting of the Western Society of Naturalists, Long Beach, CA.

INSTRUCTION

Univ. California Irvine

General ecology

Oregon State University

Marine ecology (co-taught w/ Bruce Menge)
Marine population ecology
Integral ecology

Univ. of Hawaii Hilo

Biometry
General biology
General ecology
Global change
Hawaiian marine field experience
Invertebrate biology
Marine biology
Marine ecology
Marine monitoring
Oceanography lab
Paleontology (co-taught w/ Walter Dudley)
Tropical marine research
Quantitative Underwater Ecological Survey Techniques (15 years, lead organizer 3 yrs)

Washington State University

Biometry
Environmental assessment*
Environmental ethics*

Multivariate analysis*
 Statistical ecology*
 People, rivers & the sea

*Graduate-level course

ADVISING AND SUPERVISION

Undergraduate Students: senior thesis advisor

Univ. of Hawaii Hilo

Michael Childers	Kristi Wilcox	Kelly Bair
Jeremiah Johnson	Michelle Clapper	Mark Carmichael
Jerry VanEpps	Josh Derby	Kristi West
Leah Lotman	John Crocker	Brett Martin
Joylynn Oliviera		

Washington State University

Derrick Brooks	Charlene Cox	Keary Uhlig
Jeff Ammer	Joshua Sharpes	Nathan Reynolds
Anna—Kate Wilson	Jeff Linqvist	Casey Gozart
Mike Lummio		

Graduate Students: major advisor

Jonathan Hultquist, MS, 2002, Vancouver Aquarium, Vancouver, BC
 Noelani Puniwai, MS, 2002, Pacific Internship Programs for Exploring Science, UH Hilo
 Claudia Capitini, MS, 2003, Vice President, Crooked Trails
 Keri York, MS, 2005, Stewardship Coordinator, Wood River Land Trust
 Jodi Pirtle, MS, 2005, Post-doc, University of New Hampshire
 Jennifer Bright, MS, 2007, Scientist, Olympic Coast National Marine Sanctuary
 Kaitlin Graiff, MS, 2008, Scientist, Cordell Bank National Marine Sanctuary
 Delisse Ortiz, PhD, 2009, **Knauss Sea Grant Fellow**; Scientist, NOAA Fisheries
 Jennifer Blaine, MS, 2010, Biologist, Washington Dept. of Fish & Wildlife
 Camelia Bianchi, MS, 2011, Ocean Conservancy, Portland, OR
 Emily Munday, MS, 2012, NOAA Fisheries, Fall River, MA
 Todd Stevenson, PhD, 2012, UW Postdoc (Marine Affairs)
 Katie Wrubel, MS, 2013; **Nancy Foster Scholar & Hershman Sea Grant Fellow**
 Dan Crowther, MS, 2013; **Hershman and Knauss Sea Grant Fellow**
 Molly Bogeberg, MS, ~2014
 Sean Rooney, PhD, ~2015
 Tony Spitzack, PhD, ~ 2015
 Felicia Olmeta, PhD, ~ 2016

Cori Kane, PhD, ~ 2016

Graduate Students: committee member

Karen Giver, MS, Western Washington University, 1999

Tabitha Reeder, MS, WSU, 2002

Alyssa Aaby, MS, Oregon State University, 2004

Megan Hill, MS, WSU, 2004

Rebecca Martin, MS, WSU, 2005

Jason Dzurisin, MS, WSU, 2005

Natalie Strom, MS, Oregon State University, 2005

Lisa Marko*, MS, WSU, 2008

Eileen Graham, MS, WSU, 2008

Kate Olson, MS, WSU, 2010

Jodi Pirtle, PhD, University of Alaska, 2010

RESEARCH CRUISE EXPERIENCE

- 2011 ***R/V Pacific Storm (Associate Scientist)***: conducted 37 dives in Oregon and Washington using the ROV Hammerhead. Chief Scientist: S. Henkel.
- 2008 ***R/V Velero IV (Lead Invertebrate Scientist)***: conducted over 175 dives in the Central California MPAs using occupied submersible *Delta*. Chief Scientists: R. Starr & M. Yoklavich.
- 2007 ***R/V Velero IV (Lead Invertebrate Scientist)***: conducted over 175 dives in the Central California MPAs using occupied submersible *Delta*. Chief Scientists: R. Starr & M. Yoklavich.
- 2002 ***R/V Velero IV (Lead Invertebrate Scientist)***: conducted 15 dives on Heceta Bank, Oregon using occupied submersible *Delta*. Chief Scientist: W. Wakefield.
- 2000-01 ***R/V Ronald H. Brown (Invertebrate Ecology Lead)***: Conducted 30 dives on Heceta Bank and Astoria Canyon, Oregon using occupied submersible *Delta* & ROV *ROPOS*. Chief Scientist: W. Wakefield.
- 1991 ***R/V Pirateer (Database Manager, Invertebrates)***: conducted 15 dives on Stonewall Bank, Oregon using occupied submersible *Delta*. Chief Scientist: M. Hixon.
- 1990 ***F/V Corsair (Technician)***: assisted in rockfish tagging and acoustic tracking study on Heceta Bank, Oregon. Chief Scientist: W. Percy.
- 1988-90 ***R/V McGaw(Database Manager)***: conducted 60 dives on Heceta Bank, Daisy Bank and Coquille Bank, Oregon using occupied submersible *Delta*. Chief Scientist: M. Hixon.

CONFERENCE PRESENTATIONS

¹invited presentation; ²published abstract; ³symposia organizer

- 2012 Ecological Society of America, Portland, WA.^{1,2,3}
- 2012 Western Society of Naturalists, Monterey, CA.²
- 2012 International Coral Reef Symposium, Cairns, Australia.³
- 2011 American Fisheries Society, Seattle, WA.^{1,2}
- 2011 Western Society of Naturalists, Vancouver, WA (local chair)²
- 2010 Ocean Sciences Meeting, Portland, OR^{1,2}

- 2010 International Marine Conservation Congress, MPA Networks Symposium, Victoria, BC, Canada ^{1,2}
- 2010 Western Society of Naturalists, San Diego, CA.²
- 2009 International Marine Conservation Congress, Success Stories in Conservation, Smithsonian Institution, Washington DC^{1,2}
- 2009 International Marine Conservation Congress, MPA Networks Symposium, Washington DC^{1,2}
- 2009 Western Society of Naturalists, Monterey, CA ²
- 2008 International Coral Reef Symposium, Miami, Florida ²
- 2008 Western Groundfish Conference, Santa Cruz, CA ²
- 2008 GeoHab (Marine Geological & Biological Mapping), Sitka, AK.^{1,2}
- 2007 Western Society of Naturalists, Ventura, CA. ²
- 2007 Society for Conservation Biology, San Jose, CA. ²
- 2006 Western Society of Naturalists, Redmond, CA. ²
- 2005 Western Society of Naturalists, Monterey, CA. ²
- 2005 North America Marine Protected Area Network Symposium, Loreto, Mexico.^{1,2}
- 2005 Lowell Wakefield Symposium, American Fisheries Society, Anchorage, AK ^{1,2}
- 2005 GeoHab (Marine Geological & Biological Mapping), Sidney, BC^{1,2}
- 2006 Western Groundfish Conference, Newport, OR ²
- 2005 International Symposium on Deep-sea Corals, Miami, FL.^{1,2}
- 2004 Western Society of Naturalists, Ventura, CA ²
- 2004 Western Society of Naturalists, Sonoma, CA. ²
- 2003 Western Groundfish Conference, Victoria, BC ²
- 2004 Western Society of Naturalists, Long Beach, CA²
- 2002 Western Groundfish Conference, Ocean Shores, WA²
- 2002 Western Society of Naturalists, Monterey, CA ²
- 2001 Western Society of Naturalists, Ventura, CA ²
- 2000 International Coral Reef Symposium, Bali, Indonesia.^{1,2,3}
- 2000 Western Society of Naturalists, Portland, OR
- 1999 Ecological Society of America, Spokane, WA ²
- 1999 Western Society of Naturalists, Monterey, CA ²
- 1999 International Conference on Scientific Aspects of Coral Reef Assessment, Monitoring, and Restoration, Ft. Lauderdale, FL^{1,2}
- 1997 Western Society of Naturalists, La Paz, Mexico ²
- 1997 Clean Oceans Conference, Hanalei, HI ²
- 1997 Pacific Island Coastal Zone Management Meeting, Wailea, HI ¹
- 1996 Clean Oceans Conference, Hanalei, HI ^{1,2}
- 1995 American Malcological Union, Hilo, HI ²
- 1995 Hawaii Environmental Educators Association, Honolulu, HI.^{1,2}
- 1994 NSF/Sea Grant Global Change Workshop, Honolulu, HI ^{1,2}
- 1994 Fourth California Islands Symposium, Santa Barbara, CA¹
- 1994 Western Society of Naturalists, Monterey, CA ²
- 1991 Western Society of Naturalists, Santa Barbara, CA.^{1,2}
- 1992 Second International Temperate Reef Symposium, Auckland, New Zealand.^{1,2}
- 1989 First International Abalone Symposium, La Paz, Mexico.^{1,2}
- 1991 Ecological Society of America, San Antonio, TX.^{1,2}
- 1990 Western Society of Naturalists, Monterey, CA. ²
- 1990 America Institute of Fisheries Research Biologists, San Clemente, CA.^{1,2}
- 1989 Pacific Ecology Conference, Charleston, OR²
- 1989 Southern California Academy of Sciences, Thousand Oaks, CA^{1,2}

- 1986 Geological Society of America, San Antonio, TX^{1,2}
 - 1988 American Society of Zoologists, San Francisco, CA²
 - 1987 Pacific Ecology Conference, Friday Harbor, WA²
 - 1985 Western Society of Naturalists, Monterey, CA^{1,2,3}
 - 1986 American Malacological Union, Monterey, CA²
 - 1984 American Society of Zoologists, Denver, CO²
 - 1982 Western Society of Naturalists, Long Beach, CA.²
 - 1981 Western Society of Malacologists, San Diego, CA²
 - 1981 Western Society of Naturalists, Santa Barbara, CA²
 - 1980 American Society of Zoologists, Seattle, WA²
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ADVISORY PANELS

- 2013- Scientific Advisory Committee, Red Abalone Monitoring, California Ocean Science Trust
 - 2013- Institutional Representative, CIMEC (Cooperative Institute for Marine Ecosystems & Climate)
 - 2012- Scientific Advisory Board, Rising Tide Initiative, Sea World, La Jolla, CA
 - 2010-13 Maui Coral Reef Recovery Team Member, Kihei, HI
 - 2010-12 Scientist, Cascade Head Community Action Team, Oregon Dept. Fish & Wildlife, Newport, OR
 - 2009-10 Member, Oregon Dept. Fish & Wildlife Monitoring program committee, Ocean Policy Advisory Subcommittee, Corvallis, OR
 - 2004-08 Scientific Advisory Committee, Black abalone ESA status review. National Marine Fisheries Service, La Jolla, CA.
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INVITED WORKSHOPS

- 2009 International Marine Conservation Congress, International Trade in coral reef species: Impacts, Management and policy options. Washington DC
 - 2006-08 Governance feasibility of marine ecosystem-based management: a comparative analysis. Member, Working Group, *National Central for Ecological Analysis & Synthesis*, Santa Barbara, CA.
 - 2008 Oregon MPA size and space workshop. Charleston, OR.
 - 2007 Ecosystem-based management workshop, COMPASS, Corvallis, OR.
 - 2007 Marine habitat mapping for Alaska. Alaska SeaGrant, Anchorage, AK.
 - 2006 Science of MPA design in offshore waters, Monterey Bay National Marine Sanctuary, Santa Cruz, CA
 - 2005 Status of U.S. Cold Water Corals Report Workshop. NOAA, Silver Springs, MD.
 - 2002 Cowcod Monitoring Salon, National Marine Fisheries Service, Santa Cruz, CA
-

INVITED COLLOQUIA AND PUBLIC LECTURES

- 2013 School of Molecular Biosciences, Washington State University, Pullman, WA.
- 2012 Keynote Address, 25th Annual Biology Graduate Students Symp. Newport OR.
- 2012 Science of the Aquarium Trade, Kealahou High School, Kailua-Kona, HI.
- 2010 Marine Reserve Science Workshop, Oregon Dept. Fish & Wildlife. Corvallis OR.
- 2010 Science of Marine Reserves, Oregon Museum of Science & Industry, Portland OR.

2010 Hawaii Humpback Whale National Marine Sanctuary, Kihei, Maui
2009 Portland State University, Portland, OR
2009 Monterey Bay Aquarium Research Institute, Moss Landing, CA
2009 Washington State University Vancouver, CSEJ Symposium, Vancouver, WA.
2008 Dept. of Fisheries and Wildlife, Oregon State University
2008 Hatfield Marine Science Center, Newport, OR
2008 Hatfield Marine Science Center, Newport, OR
2007 Cascades Volcano Observatory, Vancouver, WA
2007 University of Alaska, Anchorage, AK
2006 Climate Group, University of Washington, Seattle, WA.
2006 Hatfield Marine Science Center, Newport, OR
2006 SW Fisheries Science Center, La Jolla, CA.
2005 Marylhurst University, Portland, OR
2005 NOAA, Coral Reef Conservation Program, Silver Springs, MD.
2005 Clark College, Vancouver. WA.
2004 Oregon Institute of Marine Biology, Charleston, OR.
2004 University of Hawaii, Hilo, HI.
2004 SW Fisheries Science Center, La Jolla, CA.
2003 American Meteorological Society, Portland, OR
2003 Dept. of Zoology, Oregon State University
2003 University of Hawaii, Hilo, HI.
2002 George Fox University, Newberg, OR.
2002 Dept. of Biology, University of Washington, Tacoma, WA.
2002 SW Fisheries Science Center, Santa Cruz, CA.
2000 Cascades Volcano Observatory, Vancouver, WA
2000 Oregon Institute of Marine Biology, Charleston, OR.
2000 Program in Environmental Science, Washington State University
2000 School of Biological Sciences, Washington State University
2000 Shannon Point Marine Center, Western Washington University
1999 U.S. Coral Reef Task Force, Wailea, HI.
1998 Department of Biology, Humboldt State University.
1993 Dept. of Zoology, Oregon State University
1991 Dept. of Biology, University of Oregon
1990 Oregon Institute of Marine Biology, Charleston, OR.

ADMINISTRATIVE EXPERIENCE

Appointments:

2013- Director, Marine Laboratory, Humboldt State University
2013- Director, Humboldt Marine and Coastal Sciences Institute

2012-13 Associate Director, Research & Graduate Education, College of Arts & Sciences, WSU Vancouver
 2011-12 Interim Director, Science Programs, WSU Vancouver
 2010 Acting Director, Science Programs, WSU Vancouver
 2005-2009 Associate Director, Research & Graduate Education, Science Programs, WSU Vancouver
 1998-2003 Director, Science Programs, WSU Vancouver
 1997-98 Director, Kalākaua Marine Education Center, University of Hawaii Hilo
 1997-98 Chair, Marine Science Department, University of Hawaii Hilo

Committees:

2008-2010 Environmental Sciences Reorganization Committee, WSU
 2008-2009 Chair, Environmental Justice Search Committee, WSU Vancouver
 2006-2007 Chair, Applied Mathematics Search Committee, WSU Vancouver
 2006 School of Earth & Environmental Science, steering committee, WSU
 2005-2006 Chair, General Education Administrative Structure committee, WSU Vancouver
 2005 Student Fees Committee, WSU Vancouver
 2005-2006 Chair, Geochemistry Search Committee, WSU Vancouver
 2002-2003 Member, College of Science Dean Search Committee, WSU
 2002-2003 Multi-campus System Review Committee, WSU
 2001-2002 Conservation Biologist Search Committee, WSU Vancouver
 2002-2005 Honors Program Committee, WSU Vancouver
 2002 Co-Coordinator, Honors Lecture Series, WSU Vancouver
 2001-2002 Member, Dean Hal Dengerink five-year review committee, WSU
 2000-2001 Conservation Biologist Search Committee, WSU Vancouver
 2000-2001 Chair, Animal Physiologist Search Committee, WSU Vancouver
 1999-2000 Member, College of Liberal Arts Director Search Committee, WSU Vancouver
 1999-2000 Chair, Watershed Ecologist Faculty Search Committee, WSU Vancouver
 1999-2000 Environmental Information Cooperative Coordinating Committee
 1999 Chair, Academic Coordinator Search Committee, WSU Vancouver
 1998-2005 Awards Committee, WSU Vancouver
 1998-2001 Secondary Education Graduate Admissions Committee, WSU Vancouver
 1998-2001 Engineering-Science Building Committee, WSU Vancouver
 1998-2002 Secondary Education Advisory Committee, WSU Vancouver
 1998-99 Chair, Wildlife Biologist Search Committee, WSU Vancouver
 1997-98 Chair, Marine Biology Search Committee, Univ. of Hawaii Hilo
 1997-98 Faculty Senate, University of Hawaii Hilo
 1997-98 Retention Committee, University of Hawaii Hilo
 1997-98 Budget Committee, University of Hawaii Hilo
 1996-97 Chair, Chemical Oceanography Search Committee, UH Hilo
 1995-96 Evolutionary Ecology Search Committee, University of Hawaii Hilo

1994-95	Chair, Marine Phycology Search Committee, University of Hawaii Hilo
1995-98	Honors Program Committee, University of Hawaii Hilo
1995-98	Academic Computer Advising Committee University of Hawaii Hilo
1995-97	Strategic Planning Committee, University of Hawaii Hilo
1993-95	Curriculum Review Committee (Chair, 1994-95), Univ. of Hawaii Hilo

S E R V I C E A C T I V I T I E S

National Level: external reviewer

Reviewer for scientific journals:

American Naturalist
Australian Journal of Marine & Freshwater Research
Biological Bulletin
Biological Invasions
Bulletin of Marine Science
Canadian Journal of Fisheries and Aquatic Sciences
Ecology, Ecological Applications
Environmental Management
Evolution
Fishery Bulletin
Journal of General and Comparative Endocrinology
Marine & Freshwater Research
Marine Ecology Progress Series
Paleobiology
Polar Biology
Systems Dynamics
Veliger

Reviewer for grant agencies: (*panel reviewer)

California Marine Protected Area Monitoring Enterprise*
California Ocean Science Trust
California Space Institute
CAMEO (NSF + NOAA)
Center for Field Research
Hawaii Undersea Research Laboratory (NOAA/UH)*
National Park Service
National Science Foundation
West Coast/ Polar National Undersea Research Program
NOAA Center for Sponsored Coastal Ocean Research*
NOAA Coral Reef Ecosystem Program
NOAA Coral Reef Conservation Program
Sea Grant (CA, HI, NH)

Reviewer for publishers:

NOAA Fisheries
Worth Publishers

Prentice-Hall

Reviewer for tenure-promotion & PhD:

Full professor review for Western Washington State University
Full professor review for Washington State University
Tenure promotion review for San Diego State University, Utah State
PhD review for University of Technology, Sydney, Australia

Community Service (1998-present):

2011 Science of Marine Reserves talk, Ecotrust, Central Oregon Environ. Center, OR
2010 Judge, Speech and Debate, State Finals, Tacoma, WA
2009 Rotary Club, Vancouver, WA
2008 Stream Ecology lecture, Ridgefield High School
2004-08 Washougal High School Job Acquisitions Skills program
2006 South Ridge Elementary School, Vancouver, WA
2005 Science Careers, Skyview High School
2003 Margaret Scott Elementary School, Troutdale, OR
2003 Science Olympiad Awards Presentation, Clark College, Vancouver, WA
2003 Science Careers, Skyview High School
2002 WSU Board of Regents, WSU Vancouver
2002 SMART Conference Keynote Address, Battle Ground High School
2002 Honors lecture series on Environmental Ethics, WSU, Vancouver, WA
2002 Optimist Club, Vancouver, WA
2000 Apprenticeships in Science and Engineering, Portland, OR
1999 Chinook Elementary School, Vancouver, WA
1999 Clark College, Vancouver, WA
1999 South Ridge Elementary School, Vancouver, WA

REFERENCES

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Marine Biology
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