

**Ellen Hines, PhD.**  
**Professor**  
**Department of Geography & Environment**  
**Romberg Tiburon Center for Environmental Studies**  
**San Francisco State University**

**Education**

Mills College, Oakland, California, B.A.

1997: M.A. San Diego State University, San Diego, California, Geography, emphasis in Natural Resource Management. (Advisor Dr. Janet Franklin)

1996-1997: University of Louisiana, Lafayette, Louisiana. Doctoral Studies in Evolutionary Biology. (Advisor Dr. Paul Leberg)

2002: Ph.D. University of Victoria, BC, Canada, Geography. (Advisor Dr. Dave Duffus)

**Professional Experience**

2012-present: Principal Investigator, Romberg Tiburon Center for Environmental Studies, San Francisco State University.

2012-present: Professor, Department of Geography and Human Environmental Studies, San Francisco State University.

2009-present: Adjunct Professor, Department of Geography (Faculty of Graduate Studies), University of Victoria, BC, Canada.

2007-2012: Associate Professor, Department of Geography and Human Environmental Studies, San Francisco State University.

2007-2008: Educational Professional Leave without Pay from SFSU: Florida Fish and Wildlife Research Institute, St. Petersburg, Florida, Associate Research Scientist.

2006-2007: Visiting Professor, Moss Landing Marine Lab, Moss Landing, California.

2005-Fall Semester: Tropical Environmental Studies and Geography, James Cook University, Townsville, Queensland, Australia, Visiting Scholar (President's Award sabbatical from SFSU).

2001-2007: Assistant Professor, Department of Geography and Human Environmental Studies, San Francisco State University.

1997-2001: Sessional Lecturer in GIS and Remote Sensing, Department of Geography, University of Victoria, BC, Canada.

1999-2000: Consultant in Marine Ecology and GIS, Axys Environmental Consulting Ltd., Sydney, BC. British Columbia Marine Ecological Classification (BCMEC) Update Project.

1997-1999: Land Use Coordination Office, Province of British Columbia. Marine GIS Consultant.

1997-1998: LGL Limited, in Sydney, British Columbia. Geographic Information Systems (GIS) consultant.

1996-1997: GIS Technician with National Wetlands Research Center, USGS Biological Resources Division, Lafayette, Louisiana.

1994-1996: U.S. Forest Service, Region 5, Forest vegetation mapping project. GIS/Remote Sensing Research Assistant. Center for Earth Systems Analysis at San Diego State University.

1992-1993: US Forest Service, Southern Appalachian Region, Surveying Section. Mapping Technician, Asheville, North Carolina

**Publications**

Books

Hines, E., Reynolds, J., Mignucci-Giannoni, A., Aragones, L.V., and M. Marmontel. 2012. *Sirenian Conservation: Issues and Strategies in Developing Countries*. Edited Volume. The University Press of Florida.

- Hines, E. Preface
- Ortega, A., Hines, E, and J. Calvimontes. Using interviews as a research tool.
- Hines, E. and contributors. Asian dugongs.
- Hines, E., Domning, D., Aragones, L, Marmontel, M., Mignucci-Giannoni, A.A, and J. Reynolds. The role of scientists in sirenian conservation in developing countries.
- Hines, E. A framework for sirenian science and conservation in developing countries.

Hines, E. 2011. *Conservation of the Dugong along the Andaman Coast of Thailand: An Example of the Integration of Conservation and Biology in Endangered Species Research*. VDM Verlag, Germany.

Book Chapter

Hines, E. 2002. Conservation of the dugong (*Dugong dugon*) along the Andaman coast of Thailand. In P. Dearden (Ed.), *Environmental Protection and Rural Development in Thailand: Challenges and Opportunities*. White Lotus Press, Bangkok. Pages 155-180.

Peer Reviewed Journals (\*\*committee chair, \*on SFSU geography committee, \*\*\*on PhD committee)

- Hines, E., Strindberg, S., Jumchumpoo, C., Ponnampalam, L., Ilangakoon, A., and J. Jackson-Ricketts. Line transect estimates of Irrawaddy dolphin abundance along the eastern Gulf Coast of Thailand. In Review: *Mammal Review*.
- Briscoe, D.K., S. Hiatt, R. Lewison and E. Hines. Modeling habitat and bycatch risk for dugongs in Sabah, Malaysia. In Review: *Endangered Species Research*.
- Hines, E., Adulyanukosol, K., Chitewere, T., and P. Boonyanate. Historical relationships between dugongs and villagers in Thailand: a foundation for conservation planning. In Review: *Social and Cultural Geography*.
- Dransfield, A,\*\* E Hines, B Holzman, M. Elliot<sup>3</sup>, J. Howar, J.McGowan, N. Nur, JJahncke. Where the Whales are: Using habitat modeling to support changes in shipping regulations within National Marine Sanctuaries in Central California. Minor revisions for: *Endangered Species Research*.
- Ponnampalam, L., Hines, E., Mananansap, S., Ilangakoon, A., Junchompoo, C., Adulyanukosol, A., and L. J. Morse. Behavioral observations on Irrawaddy dolphins (*Orcaella brevirostris*) in Trat Province, Eastern Gulf of Thailand. In Press: *Aquatic Mammals*.
- Edwards, H., Holguin, S.\*\*, Hines, E., and B. Winning. Manatee (*Trichechus manatus manatus*) Use of Turneffe Atoll in Belize, Central America. In Press, *Caribbean Journal of Science*.
- McGowan, J.\*\*, E. Hines, M. Elliott, J.Howar, A. Dransfield, N. Nur, J Jahncke. 2013. Using seabird habitat modeling to inform marine spatial planning in Central California's National Marine Sanctuaries, PLoS ONE 8(8): e71406. doi:10.1371/journal.pone.0071406.
- Funayama, K\*\*., Hines, E., Davis, J, and S. Allen. 2013. Effects of sea-level rise on northern elephant seals at Point Reyes peninsula, California. *Aquatic Conservation: Marine and Freshwater Ecosystems*: 23: 233-245.
- Keller, C.A., Garrison, L. Baumstark, R., Ward-Geiger, L.I., and E. Hines. 2012. Defining calving habitat for the North Atlantic right whale in the southeastern United States: An application of a habitat model. *Endangered Species Research* 18: 73-87.
- LaCommare, K.S.\*\*\*, Self-Sullivan, C., Hines, E., and S. Brault. 2012. A boat-based method for monitoring sirenians: Antillean manatee case study. *Biological Conservation*: 152: 169-177.
- Hines, E., Parsons, C., and J. Cigliano. 2011. Making marine science matter—a special issue highlighting the first International Marine Conservation Congress (Introduction). *Bulletin of Marine Science* 87(2).
- Cleve, C\*., Perrine, J., Holzman, B, and E. Hines. 2011. Addressing biased occurrence data in predicting potential Sierra Nevada red fox habitat for survey prioritization. *Endangered Species Research* 14:179-191.
- Merrified, M.S\*\*., Hines, E.M., Liu, X, and M.W.Beck. 2011. Building regional threat-based networks for estuaries in the western United States. PLOS ONE 6(2): e17407. doi:10.1371/journal.pone.0017407
- Dick, D.M\*\* and E.M. Hines. 2011. Development and implementation of distance sampling techniques to determine bottlenose dolphin (*Tursiops truncatus*) abundance at Turneffe Atoll, Belize. *Marine Mammal Science*: 27(3): 606-621.
- Novak, A. B, Hines, E., Kwan, D., Parr, L., Than Tun, M., and H. Wen. 2009. Seagrasses of the Myeik Archipelago, Myanmar. *Aquatic Botany* 91(3): 250-252.
- Doukakis, J. P., Parsons, E.C.M., Burns, W.C.G., Salomon, A.K., Hines, E., and J.A. Cigliano. 2009. Gaining traction: Re-treading the wheels of marine conservation. *Conservation Biology* 23(4): 841–846.
- Hines, E., Adulyanukosol, K., Somany, P., Sam Ath, L., Cox, N., Boonyanate, P., and N.X. Hoa. 2008. Community interviews to assess conservation needs of the dugong (*Dugong dugon*) in Cambodia & Phu Quoc, Vietnam. *Oryx* 42(1): 113-121.
- Ilangakoon, A. Sutaria, D., Hines, E., and R. Raghavan. 2008. Historical status and future prospects for dugongs (*Dugong dugon*) in the Gulf of Mannar, based on interview surveys. *Marine Mammal Science* 24(3): 704-710.
- Hines, E., Adulyanukosol, K., Duffus, D. A., and P. Dearden. 2005. Community perspectives and conservation needs for dugongs along the Andaman coast of Thailand. *Environmental Management* 36(5): 654-664.

- Hines, E., Adulyanukosol, K., and D. A. Duffus. 2005. Dugong abundance along the Andaman coast of Thailand. *Marine Mammal Science* 21:3:536-549. (Impact Factor 1.46)
- Hines, E., Franklin, J., and J. Stephenson. 2005. Using a geographic information system to estimate digital map error and its effects on habitat delineation for the California spotted owl in southern California. *Transactions in GIS*. 9(4): 541-559.
- Byrne, R., and E. Hines. 2005. The marine turtles of Hinatuan Bay, Surigao del Sur, Mindanao, Philippines. *Marine Turtle Newsletter* 105: 8

#### Dissertation and Thesis

- Hines, E. 2002. *Conservation of the Dugong (Dugong dugon) along the Andaman Coast of Thailand: An Example of the Integration of Conservation and Biology in Endangered Species Research*. Doctoral Dissertation, University of Victoria, BC, Canada
- Hines, E. 1997. A sensitivity analysis of a map of habitat quality for the California spotted owl (*Strix occidentalis occidentalis*) in southern California. Master's thesis, San Diego State University, San Diego, CA USA

#### Legal Briefs/Expert Testimony

- On behalf of: Okinawan dugongs vs. US Department of Defense (for Earthjustice) (September 2007)

#### Training Manual

- Smith, B. D., Hines, E., Rosenbaum, H., Razafindrakoto, Y., Beasley, I., and K. Cross. 2002. *Marine mammal research techniques for scientists in South and Southeast Asia*. Wildlife Conservation Society, NY.

#### Selected Professional Reports

- Hines, E., Jumchumpoo, C., Ilangakoon, A., Ponnampalam, L., and J. Jackson-Ricketts. 2013. Coastal cetaceans in Trat Province, Eastern Thailand (2013). Final Report to Ocean Park Conservation Foundation, Hong Kong.
- Hines, E., Jumchumpoo, C., Ilangakoon, A., Ponnampalam, L., and J. Jackson-Ricketts. 2012. Coastal cetaceans in Trat Province, Eastern Thailand (2012). Final Report to Ocean Park Conservation Foundation, Hong Kong.
- Hines, E. 2011. American Recovery and Reinvestment Act: USGS Golden Gate LiDAR Final Report
- Hines, E., Mananansap, S., Ilangakoon, A., Ponnampalam, L., and L. Morse. 2009. Coastal cetaceans in Trat Province, Eastern Thailand (2009). Final Report to Ocean Park Conservation Foundation, Hong Kong.
- Hines, E., Charuchina, M., Mananansap, S., Ilangakoon, A., and L. Ponnampalam. 2008. Irrawaddy Dolphins (*Orcaella brevirostris*) in Trat Province, Eastern Thailand (2007-2008). Final Report to Ocean Park Conservation Foundation, Hong Kong.
- Hines, E. NOAA: National Marine Fisheries Service Annual Performance Reports for Grant #FO794/#2339/#2624, for Reporting Periods June 2007-December 2008, and January 2008-June 2008. Right Whale Conservation Project, Florida Fish & Wildlife Conservation Commission.
- Hines, E. Final report to the National Fish and Wildlife Foundation: Evaluation of Relative Risk of Co-Occurrence of North Atlantic Right Whales and Vessels in the Southeastern United States (SEUS) Calving Grounds, for the Florida Fish & Wildlife Conservation Commission. July 2008.
- Hines, E., Than Tun, M., Parr, L., Kwan, D., and A. Novak. 2007. Dugongs (*Dugong dugon*) along the Myeik Archipelago of Myanmar. Final report to Ocean Park Conservation Foundation, Hong Kong.

#### Proceedings

- Hines, E., 2011. Threats to coastal dolphins from oil exploration, drilling and spills off the coast of Belize. In: Palomares, M.L.D., Pauly, D. (eds.), *Too Precious to Drill: the Marine Biodiversity of Belize*, pp. 14-18. Fisheries Centre Research Reports 19(6). Fisheries Centre, University of British Columbia [ISSN 1198-6727]. Juried.
- Adulyanukosol, K., Hines, E., and P. Boonyanate. 2010. Cultural significance of dugongs to Thai villagers: Implications for conservation. Proceedings of the 5<sup>th</sup> International Symposium on SEASTAR2000: 43-49. Juried [http://repository.kulib.kyoto-u.ac.jp/dspace/bitstream/2433/107337/1/9thSeastar\\_43.pdf](http://repository.kulib.kyoto-u.ac.jp/dspace/bitstream/2433/107337/1/9thSeastar_43.pdf)
- Ilangakoon, A. D., Hines, E., Monanunsap, S., and Ponnampalam, L. S. 2010. Research for conservation and management of Irrawaddy dolphins (*Orcaella brevirostris*) in the Eastern Gulf of Thailand. Proceedings of the International Workshop on Conservation of the Irrawaddy Dolphin with special reference to the underwater acoustic study. 25 - 26 March 2010, Bhubaneswar, India.

Proceedings of the Workshop on the Conservation of the Dugong and Seagrass Habitats in Vietnam  
*January 20-21, 2003, Hanoi, Vietnam*  
edited by Nick Cox, Tran Chinh Khuong, Ellen Hines. World Wildlife Fund, Indochina Programme, Hanoi, Vietnam .

## Grants & Awards

- National Socio-Environmental Synthesis Center (SESYNC) Venture program grant: <http://www.sesync.org/ventures>  
“Developing an integrated framework to model resilience of the coupled human/natural environment in tropical coastal systems”, with co-PI, Dr. Rebecca Lewison (San Diego State).
- National Park Service (2013-2014), \$40,000 to use LiDAR and hyperspectral imagery to map Muir Woods National Park and Kent Canyon State Park.
- Grants (\$50,000) for the SEAMAMS conference in Malaysia in March of 2013 (Southeast Asian Marine Mammal Symposium). (Co-Chair with Dr. Louisa Ponnampalam, University of Malaya)  
-we have received funding from:
- Ocean Park Conservation Foundation
  - U.S. Marine Mammal Commission
  - U.S. Humane Society
  - Marisla Foundation
  - Society for Conservation Biology
  - Convention on Migratory Species (UNEP)
- Ocean Park Conservation Foundation: Coastal marine mammals along the eastern Gulf of Thailand: \$15,700US for 2013.
- COAST CSU Collaborative Resource Sharing Award 2012. Creating a spatially explicit risk assessment of fisheries bycatch for coastal marine mammals. \$10,000 (with Rebecca Lewison SDSU Biology).
- Social Sciences and Humanities Research Council of Canada (SSHRC) (Too Big to Ignore: Global Partnership for the future of small-scale fisheries): co-investigator with Dr. Ratana Chuenpagdee (Memorial University of Newfoundland) as Principal Investigator. \$2,498,895 CDN [www.toobigtoignore.net](http://www.toobigtoignore.net)
- Ocean Park Conservation Foundation: Coastal marine mammals along the eastern Gulf of Thailand: \$13,000US for 2012.
- Indo-Pacific Cetacean Research and Conservation Fund (Australian Gov't): 2012-2014. Coastal marine mammals along the eastern Gulf of Thailand: \$49,000AUD
- COAST CSU Faculty Research Initiative Award 2011. Developing an integrated/coupled framework to model resilience in tropical coastal systems.. \$10,936 (with Rebecca Lewison SDSU Biology).
- 2011: Chair of fundraising committee for 2<sup>nd</sup> International Marine Conservation Congress (Victoria BC May 2011) ; grants received as follows:
- Social Sciences and Humanities Research Council of Canada: through the University of Victoria \$40,000CDN
  - \$50,000 Moore Foundation
  - \$10,000 Rufford Foundation
  - \$5000 Humane Society
  - \$5000 Google Ocean
  - \$30,000 Marisla Foundation
  - \$25,000 UNESCO Marine Heritage
- 2010: Golden Gate National Parks Conservancy: \$15,000 toward the Golden Gate LiDAR Project
- 2010: Lockheed Martin: \$46,000 towards the Golden Gate LiDAR Project
- 2010-2011: The Golden Gate LiDAR Project, US Geological Survey (\$457,000US): LiDAR mapping and processing of greater San Francisco Bay Area (835 square miles)  
[http://bss.sfsu.edu/ehines/arra\\_golden\\_gate\\_lidar\\_project.htm](http://bss.sfsu.edu/ehines/arra_golden_gate_lidar_project.htm)
- 2009-2010: Ocean Park Conservation Foundation (\$15,000US): Coastal cetaceans in eastern Thailand.
- 2007-2008: NOAA Fisheries (\$645,860US): GIS Risk Analysis on North Atlantic Right Whales in the Southeast US.
- 2007-2008: National Fish and Wildlife Federation (\$72,000US): Risk of Right Whale and Vessel Interactions in the Southeast US.
- 2008: Ocean Park Conservation Foundation (\$20,000US): Irrawaddy dolphins in eastern Thailand (winter of 2008).

2007: Ocean Park Conservation Foundation, Hong Kong (\$20,000 US) Distribution and conservation of dugongs and coastal cetaceans in the Myeik Islands of Myanmar (winter of 2007).

2007: Project Aware, Australia, (\$1000AUS) towards 2007-2008 research on Irrawaddy dolphins in eastern Thailand.

2005-2009: various grants through the Association to Protect Northernmost Dugong in Japan to set up community seagrass research in Okinawa. In 2007, \$5000US from the Center for Biological Diversity for the same project.

2005: Smithsonian Institution Marine Science Network (\$150,000). A comparison of bottlenose dolphin foraging ecology between transitional-temperate and tropical ecosystems.

2003-2005: National Wetlands Inventory (US Fish and Wildlife Service) (\$176,000)

2004-2005: Ocean Park Conservation Foundation, Hong Kong (\$8900 US): Dugongs and Irrawaddy dolphins along the eastern Gulf of Thailand.

2004-2005: Wildlife Conservation Society, USA (\$1000 US): Dugongs and Irrawaddy dolphins along the eastern Gulf of Thailand.

2003-2005: National Wetlands Inventory (US Fish and Wildlife Service) (\$128,000 US) Updating National Wetlands Inventory Digital Map Files.

2003-2004: Ocean Park Conservation Foundation, Hong Kong (\$13,000 US): Dugongs along the eastern Gulf of Thailand and Cambodia

2003-2004: Project Aware Grant (\$3000 AUS): Dugongs along the eastern Gulf of Thailand and Cambodia.

2003: Sirenian International (\$1000 US): Interview surveys about dugongs in the Gulf of Mannar (Sri Lanka and India).

2002-2003: Ocean Park Conservation Foundation, Hong Kong (\$12,000 US) Dugongs along the eastern Gulf of Thailand.

2002: Marine Conservation Biology Institute, Marine Mammal Gap Analysis (\$10,000 US) (Baja to Bering Initiative)

2002: Project Aware Micro-Project Grant (\$1000 US) Manatees in Turneffe Atoll, Belize

2002: Affirmative Action Faculty Development Program Award, San Francisco State University: The Reaction of Harbor Seals to the Richmond Bridge Seismic Reinforcement Project

2000/2001: Ocean Park Conservation Foundation, Hong Kong (\$40,000 US) Dugongs along the Andaman coast of Thailand.

2000: University of Victoria Derrick Sewell Graduate Scholarship 2001

2000: Doctoral Research Award, International Development Research Centre (\$20,000 CDN) Dugongs along the Andaman coast of Thailand

2000: University of Victoria President's Scholarship 2000

1997 to 2001: University of Victoria Graduate Fellowships

## Reviews

Associate Editor for the *Journal of Environmental Studies and Science* (First volume January 2011)

Review Editor for the journal *Endangered Species Research* (since 2006)

Reviewed submitted manuscripts for the journals: *Marine Mammal Science*, *Marine and Freshwater Research*, *Aquatic Mammals*, *Raffles Bulletin of Zoology*, *Conservation Biology*, *Biological Conservation*, *Prairie Perspectives*, *Endangered Species Research*, *Phuket Marine Biological Center Bulletin*, *Current Zoology*, *Applied Geography*, *Environmental Management*, *Aquatic Conservation: Marine and Freshwater Systems*, *Marine and Freshwater Research*, *Transactions in GIS*, *McGill International Journal of Sustainable Development Law and Policy*, *Journal of the Marine Biological Association of the United Kingdom*, *Oryx*, *Marine Biodiversity Records*, *Marine Technology Society Journal*.

Nominator for the 2014 Pew Fellows Program in Marine Conservation.

Reviewer and judge: David H. Smith Conservation Research Fellowship Program 2008 -2013.

Reviewer for the NSF Geography Program and SSHRC (Canadian government research agency).

## Selected Presentations

- Hines, E. Adulyanukol, K, and P. Maniowr. Aligning Science and Policy to Conserve Dugongs and their Habitat along the Andaman Coast of Thailand, Association of Pacific Coast Geographers, September 2011, San Francisco. Juried oral presentation.
- Hines, E. Changing values of small-scale fisheries in Southeast Asia. Juried oral presentation. 2<sup>nd</sup> International Marine Conservation Congress, Victoria, BC, Canada, May 2011.
- Hines, E. Using interviews to document changing values of small-scale fishers .  
Invited plenary presentation at the World Small-Scale Fisheries Congress, Bangkok, Thailand, October 2010.  
See blog interview: <http://worldsmallscalefisheries.blogspot.com/2010/10/interviewing-interviewer-chat-with.html>
- Hines, E. Adulyanukol, K, and P. Maniowr. Dugong conservation issues and conservation and management update. Invited Side Event, First Official Signatory State Meeting for the Dugong, the Convention on Migratory Species. Abu Dhabi, United Arab Emirates, 4-6 October 2010.  
[http://www.cms.int/species/dugong/meeting\\_of\\_sigs\\_1/pres\\_hines\\_and\\_adulyanukosol.pdf](http://www.cms.int/species/dugong/meeting_of_sigs_1/pres_hines_and_adulyanukosol.pdf)
- Workshop Organizer, Ecological Modeling and Marine Mammals: at Society of Marine Mammalogy Biennial meetings between 1999 and 2011. <http://www.whoi.edu/sites/marinemammalmodeling>
- Hines, E., S. Mananunsap, A. Ilangakoon, L. Ponnampalam, and L. Morse. Population, distribution and conservation of coastal cetaceans along the eastern Gulf coast of Thailand. Presentation at the XVII Biennial Conference on the Biology of Marine Mammals, Quebec, Canada. October, 2009. Juried.
- Hines, E., and K. Adulyanukosol. The need for marine protected areas for dugongs in Southeast Asia. In the workshop: Improving the Contribution of Marine Protected Areas to the Conservation of Sirenians (Manatees and Dugongs). International Marine Conservation Congress, Washington DC, May 19-24<sup>th</sup>, 2009. (Workshop organizer with Helene Marsh, Cynthia Taylor and Caryn Self-Sullivan). Juried.
- Hines, E., Parr, L, Mya, T.T., Kwan, D., and A. Novak. Interviews about dugongs and community conservation issues in the Myeik Archipelago of Myanmar. Poster Presentation at the XVI Biennial Conference on the Biology of Marine Mammals, Capetown, South Africa. November, 2007. and Presentation at the Fourth International Sirenian Symposium, November 27<sup>th</sup> , Capetown, SA. Juried.
- Hines, E., and H. Marsh. Community participation in GIS: An introduction to the tools, techniques, processes, and opportunities in cultural mapping with communities. Great Barrier Reef Marine Park Authority. Townsville, QLD, Australia, September 29, 2005  
Invited.

## Professional and Civic Activities:

- Appointed Expert to the Pool of Experts, United Nations World Ocean Assessment (Marine Mammals)  
Smith et al chapter on marine mammals in process.
- Member, IUCN Marine Mammal Area Task Force
- Convention on Migratory Species Scientific Council's Aquatic Mammals Working Group (AMWG), Invited Expert (2013)
- Fulbright Specialists Roster 2013-2018.
- Sirenian Specialist Group Expert member (IUCN Species Survival Commission) since 2005.
- Society for Marine Mammalogy, since 1997,
  - Board of Directors 2013-2015.
  - Member of Scientific Advisory Board 1999-2005
- Society for Conservation Biology, member since 1994
  - Asian Regional Section, Board of Directors 2013-2015.
  - Marine Section President/SCB Board of Governors for 2006/2009 calendar years.
  - SCB Publications & Scientific Committee Member, 2007 through present.
  - Scientific Program Committee Chair for the International Marine Conservation Congress (May 20-24, 2009 in Washington D. C. ([www.conbio.org/IMCC](http://www.conbio.org/IMCC) )

- Conference Chair for the 2<sup>nd</sup> International Marine Conservation Congress (May 14-18<sup>th</sup>, 2011 in Victoria, British Columbia).([www.conbio.org/imcc2](http://www.conbio.org/imcc2))
- Oikonos (International Marine NGO, <http://www.oikonos.org/>)
  - Scientific Advisor since 2006
- Sirenian International,
  - Member of the Board of Directors 2004-2007.
  - Member of Scientific Advisory Board since 2007.
- Society for Conservation GIS, since 1998

Theses completed under my supervision:

- Suzanne Poloner Holguin (Manatees in Turneffe Atoll, Belize, completed in Fall 2004)
- Jim Pettigrew (Invasive green crabs in Tomales Bay, completed in Spring 2005)
- Cyndy Comerford (GIS, Environmental Justice and Public Health in San Francisco, completed in Spring 2005)
- Dorothy Dick (Relative abundance and fine-scale habitat use of dolphins at Turneffe Atoll, Belize, completed in Spring 2008)(current PhD student with Dr. Dawn Wright, Oregon State University)
- Sadie Waddington (Quantitative Study of Sediment Accumulation due to Mangrove Removal at Turneffe Atoll, Belize, completed in Spring 2008)
- Matt Merrifield (Building regional threat-based networks for estuaries in the western United States, completed in Fall 2008)
- Angela Yu (A Comparison of Habitat Conservation Planning for Butterflies in San Bruno Mountain and the Wisconsin Karner Blue Butterfly (completed in Spring 2008)
- Stefanie Egan (Using a GIS for Planning a Biosphere Reserve Turneffe Atoll, Belize, completed in Spring 2009)
- Kota Funayama (How sea level rise will change habitat for elephant seals in Point Reyes National Seashore, completed in Fall 2010)
- Andrea Dransfield, Where The Whales Are: Using habitat modeling to inform marine spatial planning in Cordell Bank and Gulf of the Farallones National Marine Sanctuary, central California (completed in Fall 2012)(current Sea Grant Fellow, Channel Islands National Marine Sanctuary)
- Jennifer McGowan, Intersections at Sea: using marine spatial planning to inform oil spill response (completed in Fall 2012)(current PhD student with Dr. Hugh Possingham, University of Queensland)

Theses in progress:

- Caitlin Jenson (NOAA Nancy Foster Scholar), A GIS analysis of vessel traffic and endangered whale habitat in the Cordell Bank and Gulf of the Farallones National Marine Sanctuaries.
- Winston Halapua, Vulnerability of the Tongatapu coast in Tonga to sea-level rise.
- Randall Orr, Assessment of community-based ecotourism as a conservation and development tool in Chi Phat, Cambodia.
- Eli Waggoner, Using LiDAR to model carbon sequestration in urban forests.
- Timothe Vincent, Finless porpoises in Hong Kong harbor, population distribution and environmental planning.
- Kristal Ip, A GIS soundscape of an urban environment.
- Nathaniel Grieg, Species distribution of manatees in Turneffe Atoll, Belize.

Second Reader in Geography since Fall of 2007:

Casey Cleve, with Dr. Barbara Holzman, completed 2008.  
 Jose Camarena, with Dr. Leo Blesius. Completed summer of 2013.  
 Chris Terry, with Dr. Jerry Davis. In Process  
 Chris Campbell, with Dr. Barbara Holzman. In Process  
 Heba Petursson, with Dr. Andrew Oliphant. In Process  
 Katherine Dicker, with Dr. Courtney Donovan. In Process

Pablo Herrera, with Dr. Jerry Davis. In Process  
Stephanie Auer, with Dr. Barbara Holzman. In Process.

On Committees in other Departments since Fall of 2007:

- Suzanne Manugian (Marine Biology, Moss Landing Marine Lab) (Completed Fall 2013) with Dr. Jim Harvey
- Jessie Bushell (Biology, SJSU) (Completed Fall 2013) with Dr. Leslee Parr
- Eliza Shepard (Biology, SFSU) (Completed Fall 2012) with Drs. Robert Patterson and Tom Parker
- Charlie Endris (Geological Oceanography, Moss Landing Marine Lab)(Completed Summer 2009) with Dr. Ivano Aiello
- Joelle Sweeney (Marine Biology, Moss Landing Marine Lab) (Completed Fall 2008) with Dr. Jim Harvey
- Michelle Kinzel (Geosciences and Oceanography, Oregon State University) (Completed Fall 2008) with Dr. Dawn Wright
- Bridget Watts (Marine Biology, Moss Landing Marine Lab) (Completed Spring 2007) with Dr. Jim Harvey
- Kristen Rasmussen (Marine Biology, Moss Landing Marine Lab) (Completed Spring 2005) with Dr. Jim Harvey
- Elizabeth Phillips (Biology, Moss Island Marine Lab) (Completed Spring 2005) with Dr. Jim Harvey
- Aura DeMare (Marine Biology SFSU) (Completed Spring 2005) with Dr. Ralph Larsen
- Adikorn Vavikanond (Civil Engineering SFSU) (Completed Spring 2004) with Dr. Elahe Enssani
- Danielle Palmer (Biology, San Jose State University) (Completed Fall 2003) with Dr. Leslee Parr
- Barry Nichols (Biology SFSU) (Completed Fall 2003) with Dr. Hal Markowitz
- Sarah Wilkin (Marine Biology, Moss Landing Marine Lab) (Completed Spring 2003) with Dr. Jim Harvey

PhD students:

Tara Whitty, Scripps Institute of Oceanography in progress (Mapping Conservation Scapes of Small-scale Cetaceans and Small-scale fisheries: Irrawaddy dolphins in SE Asia) w Dr. Lisa Ballance  
Justine Jackson-Ricketts, University of California in progress (Diet, Life Events, Habitat, and Conservation of Irrawaddy Dolphins (*Orcaella brevirostris*) in the Gulf of Thailand) w Dr. Dan Costa  
Petch Manowitr, University of Victoria in progress (Designing an effective Marine Protected Area Network in Thailand's Andaman Sea to address the impacts of climate change) w Dr. Phil Dearden  
Katie deCommare, University of Massachusetts (The conservation and habitat ecology of Antillean manatees (*Trichechus manatus manatus*) in the Drowned Cayes area, Belize Central America) completed 2011, w Dr. Solange Brault.