

**Joseph J. Bizzarro**  
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Southwest Fisheries Science Center – Fisheries Ecology Division  
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## **EDUCATION**

University of Washington, Seattle, WA	Ph.D. (2015), Aquatic & Fishery Sciences
Moss Landing Marine Laboratories, Moss Landing, CA	M.S. (2006), Marine Science
Dartmouth College, Hanover, NH	B.A. (1992), Biology
Tropical Ecology Program, Costa Rica/Jamaica	Foreign Study, Winter 1992
Williams College Maritime Studies Program, Mystic, CT	Transfer Term, Fall 1990

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## **PROFESSIONAL APPOINTMENTS**

2015–	Postdoctoral Fellow, National Marine Fisheries, Service, Santa Cruz, CA
2015–	Research Affiliate, Moss Landing Marine Laboratories (MLML), Moss Landing, CA
2010–	Member, International Union for the Conservation of Nature (IUCN), Shark Specialist Group
2014–2019	Board of Directors, American Elasmobranch Society
2011–2014	Essential Fish Habitat Consultant, National Marine Fisheries Service, Santa Cruz, CA
2013	Essential Fish Habitat Consultant, National Resources Defense Council, San Francisco, CA
2008–2012	Editor, American Elasmobranch Society
2002–2009	Staff Scientist and Project Manager, Pacific Shark Research Center, MLML, Moss Landing, CA
1997–2004	Research Ecologist, GIS Analyst, and Project Manager, Center for Habitat Studies, MLML, Moss Landing, CA
2002	Fisheries Research Biologist, Mote Marine Laboratory, Sarasota, FL
2001–2002	Technical Consultant, Monterey Bay Aquarium, Monterey, CA
1999–2002	GIS Analyst, CapRock Geology, Inc., Salinas, CA
1999–2001	Assistant Editor and Writer, Moschovitis Group, Inc., New York, NY

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## **AWARDS**

- University of Washington/School of Aquatic and Fishery Sciences Faculty Merit Award for outstanding academic achievement (2015).
  - Commendation, Pacific Fishery Management Council, for work completed in support of the Essential Fish Habitat Review Committee (2011–2013).
  - North Pacific Research Board (2011) Graduate Student Research Award (\$20,000).
  - University of Washington/School of Aquatic and Fishery Sciences (2009) Resource, Awards and Scholarship Committee Fellowship (\$80,000).
  - Commendation, NMFS, for work conducted as a Fisheries Observer in Bering Sea and Gulf of Alaska groundfish fisheries (1994–1995).
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## SELECTED GRANTS

- Characteristics and spatial modeling of Pacific sand lance habitats off Southeast Alaska (2012); North Pacific Research Board (\$52,059).
- Species of Concern Grant for Pacific basking shark research (2010); National Marine Fisheries Service (NMFS) (\$30,000).
- Gulf of California Elasmobranch Fisheries Research (2006–2008); David and Lucile Packard Foundation (\$36,880).
- Deepwater Rockfish Habitat Associations (2001); National Fish and Wildlife Foundation (\$50,000).
- Raised over \$1,000,000 in extramural funds since 2000.

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## PEER-REVIEWED JOURNAL ARTICLES

- Bizzarro, J.J., Yoklavich, M.M., and Wakefield, W.W. In press. Diet composition and foraging ecology of U.S. Pacific Coast groundfishes with applications for fisheries management. **Environmental Biology of Fishes**.
- Carlisle, A.B., Litvin, S.Y., Madigan, D.J., Lyons, K., Bigman, J.S., Ibarra, M., and Bizzarro, J.J. In press. Interactive effects of urea and lipid content confound stable isotope results in elasmobranch fishes. **Canadian Journal of Fisheries and Aquatic Sciences** DOI: 10.1139/cjfas-2015-0584.
- Bizzarro, J.J., Peterson, A.N., Blaine, J.M., Balaban, J.P., Greene, H.G., and Summers, A.P. 2016. Burrowing behavior, habitat, and functional morphology of the Pacific Sand Lance (*Ammodytes personatus*). **Fishery Bulletin** 114: 445–460.
- Bizzarro, J.J., Broms, K.M., Logsdon, M., Yoklavich, M.M., Kuhnz, L., and Summers, A.P. 2014. Spatial segregation in eastern North Pacific skate assemblages. **PLOS ONE** 9: e109907. doi:10.1371/journal.pone.0109907
- Brown, S.C., Bizzarro, J.J., Ebert, D.A., and Cailliet, G.M. 2012. Breaking with tradition: redefining measures for diet description with a case study of the Aleutian skate, *Bathyraja aleutica* (Gilbert 1896). **Environmental Biology of Fishes** 95: 3–20.
- Paig-Tran, E.W.M., Bizzarro, J.J., Strother, J.A., and Summers, A.P. 2011. Bottles as models: predicting the effects of varying swimming speed and morphology on size selectivity and filtering efficiency in fishes. **Journal of Experimental Biology** 214: 1643–1654.
- Bizzarro, J.J., Smith, W.D., Márquez-Farías, J.F., Tyminski, J., and Hueter, R.E. 2009. Temporal variation in the artisanal elasmobranch fishery of Sonora, Mexico. **Fisheries Research** 97: 103–117.
- Smith, W.D., Bizzarro, J.J., Richards, V.P., Nielsen, J., Márquez-Farías, J.F. and Shivji, M.S. 2009. Divergence and dimorphism: the taxonomic status of *Gymnura crebripunctata* (Peters 1869) and *G. marmorata* (Cooper 1864) in the eastern Pacific Ocean. **Journal of Fish Biology** 75: 761–783.
- Bizzarro, J.J., and Vaughn, M.T. 2009. Aspects of the biology and species composition of skates (Rajiformes) off southeastern Alaska. **Northwestern Naturalist** 90: 247–256.
- Bizzarro, J.J., Smith, W.D., Castillo-Géniz, J.L., Ocampo-Torres, A., Márquez-Farías, J.F., and Hueter, R.E. 2009. The seasonal importance of small coastal sharks and rays in the artisanal elasmobranch fishery of Sinaloa, Mexico. **Pan-American Journal of Aquatic Sciences** 4: 513–531.

- Bizzarro, J.J., Smith, W.D., Hueter, R.E., and Villavicencio-Garayzar, C.J. 2009. Activities and catch composition of artisanal elasmobranch fishing sites on the eastern coast of Baja California Sur, Mexico. **Bulletin of the Southern California Academy of Sciences** 108: 137–151.
- Smith, W.D., Bizzarro, J.J., and Cailliet, G.M. 2009. The artisanal elasmobranch fishery of Baja California, México: characteristics and management considerations. **Ciencias Marinas** 35: 209–236.
- Bizzarro, J.J. 2008. A review of the physical and biological characteristics of the Bahía Magdalena lagoon complex (Baja California Sur, Mexico). **Bulletin of the Southern California Academy of Sciences** 107: 1–24.
- Bizzarro, J.J., and Vaughn, M.T. 2008. First records of the whiteblotched skate, *Bathyraja maculata*, in the eastern Gulf of Alaska. **Northwestern Naturalist** 89: 193–197.
- Bizzarro, J.J., Smith, W.D., Márquez-Farías, J.F., and Hueter, R.E. 2007. Artisanal fisheries and reproductive biology of the golden cownose ray, *Rhinoptera steindachneri* Evermann and Jenkins, 1891, in the northern Mexican Pacific. **Fisheries Research** 84: 137–146.
- Dean, M.N., Bizzarro, J.J., and Summers, A.P. 2007. The evolution of cranial design, diet, and feeding mechanisms in batoid fishes. **Integrative and Comparative Biology** 47: 70–81.
- Bizzarro, J.J., Robison, H.J., Rinewalt, C.S., and Ebert, D.A. 2007. Comparative feeding ecology of four sympatric skate species off central California, USA. **Environmental Biology of Fishes** 80: 197–220.
- Ebert, D.A., and Bizzarro, J.J. 2007. Standardized diet compositions and trophic levels of skates (Chondrichthyes: Rajiformes: Rajoidei). **Environmental Biology of Fishes** 80: 221–237.

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#### BOOK AND ENCYCLOPEDIA CONTRIBUTIONS

- Kyne, P.M., Carlson, J.K., Ebert, D.A., Fordham, S.V., Bizzarro, J.J., Graham, R.T., Kulka, D.W., Tewes, E.E., Harrison, L.R., and Dulvy, N.K., eds. 2012. The conservation status of North American, Central American, and Caribbean chondrichthyans. IUCN Species Survival Commission Shark Specialist Group, Vancouver, Canada.
- Wetherbee, B.W., Cortés, E., and Bizzarro, J.J. 2012. Food consumption and feeding habits, p. 239–264. In: *Biology of sharks and their relatives* (Carrier, J.C., Musick, J.A., and Heithaus, M.R., eds). CRC Press: New York, NY.
- Greene, H.G., Bizzarro, J.J., O’Connell, V.M., and Brylinsky, C.K. 2007. Mapping potential marine benthic habitats using geographic information systems: a classification scheme and code, p.141–156. In: *Mapping the seafloor for habitat characterization* (Todd, B. and Greene, H.G., eds.). Geological Association of Canada. Special Paper 47.
- Greene, H.G., Vallier, T., Bizzarro, J.J., and Watt, S. 2007. Bay floor disturbances and benthic habitat impacts in San Francisco Bay, p. 401–420. In: *Mapping the seafloor for habitat characterization* (Todd, B. and Greene, H.G., eds.). Geological Association of Canada. Special Paper 47.
- Greene, H.G., Bizzarro, J.J., Tilden, J.E., Lopez, H.L. and Erdey, M.D. 2004. The benefits and pitfalls of geographic information systems (GIS) in marine benthic habitat mapping, p. 34–46. In: *Place Matters: Geospatial Tools for Marine Science, Conservation, and Marine Management in the Pacific Northwest*. (Wright, D.J., and Scholz, A.J, eds.). Oregon State University Press, Corvallis, OR.
- Bizzarro, J.J. 2003. Acanthodii, p. 5–6. In: *Interdisciplinary encyclopedia of marine sciences*. Volume 1. (Nybakken, J.W., Broenkow, W.W., and Vallier, T.L., eds.). Grolier Academic Reference. Danbury, CT.
- Bizzarro, J.J. 2003. Chondrostei, p. 180–181. In: *Interdisciplinary encyclopedia of marine sciences*. Volume 1. (Nybakken, J.W., Broenkow, W.W., and Vallier, T.L., eds.). Grolier Academic Reference. Danbury, CT.

- Bizzarro, J.J. 2003. Elasmobranchii, p. 358–395. In: Interdisciplinary encyclopedia of marine sciences. Volume 1. (Nybakken, J.W., Broenkow, W.W., and Vallier, T.L., eds.). Grolier Academic Reference. Danbury, CT.
- Bizzarro, J.J. 2003. Euteleostei, p. 393–395. In: Interdisciplinary encyclopedia of marine sciences. Volume 1. (Nybakken, J.W., Broenkow, W.W., and Vallier, T.L., eds.). Grolier Academic Reference. Danbury, CT.
- Bizzarro, J.J. 2003. Holocephali, p. 103–104. In: Interdisciplinary encyclopedia of marine sciences. Volume 2. (Nybakken, J.W., Broenkow, W.W., and Vallier, T.L., eds.). Grolier Academic Reference. Danbury, CT.
- Bizzarro, J.J. 2003. Osteichthyes, p. 419–420. In: Interdisciplinary encyclopedia of marine sciences. Volume 2. (Nybakken, J.W., Broenkow, W.W., and Vallier, T.L., eds.). Grolier Academic Reference. Danbury, CT.
- Bizzarro, J.J. 2003. Otolith, p. 421–423. In: Interdisciplinary encyclopedia of marine sciences. Volume 2. (Nybakken, J.W., Broenkow, W.W., and Vallier, T.L., eds.). Grolier Academic Reference. Danbury, CT.
- Bizzarro, J.J. 2003. Physoclist, p. 42–43. In: Interdisciplinary encyclopedia of marine sciences. Volume 3. (Nybakken, J.W., Broenkow, W.W., and Vallier, T.L., eds.). Grolier Academic Reference. Danbury, CT.
- Bizzarro, J.J. 2003. Physostome, p. 43–44. In: Interdisciplinary encyclopedia of marine sciences. Volume 3. (Nybakken, J.W., Broenkow, W.W., and Vallier, T.L., eds.). Grolier Academic Reference. Danbury, CT.

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## IUCN RED LIST ASSESSMENTS

- Bizzarro, J.J., and Smith, W.D. 2012. California butterfly ray (*Gymnura marmorata*). In: The conservation status of North American, Central American, and Caribbean chondrichthyans (Kyne, P.M., Carlson, J.K., Ebert, D.A., Fordham, S.V., Bizzarro, J.J., Graham, R.T., Kulka, D.W., Tewes, E.E., Harrison, L.R., and Dulvy, N.K., eds.). IUCN Species Survival Commission Shark Specialist Group, Vancouver, Canada.
- Bizzarro, J.J., and Smith, W.D. 2012. Longsnout butterfly ray (*Gymnura crebripunctata*). In: The conservation status of North American, Central American, and Caribbean chondrichthyans. (Kyne, P.M., Carlson, J.K., Ebert, D.A., Fordham, S.V., Bizzarro, J.J., Graham, R.T., Kulka, D.W., Tewes, E.E., Harrison, L.R., and Dulvy, N.K., eds.). IUCN Species Survival Commission Shark Specialist Group, Vancouver, Canada.
- Bizzarro, J.J. 2009. *Rhinobatos glaucostigma*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org).
- Bizzarro, J., Smith, W., Baum, J., Domingo, A. and Menni, R. 2009. *Mobula hypostoma*. 2009. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org).
- Bizzarro, J.J., Carvalho, M.R. de, and McCord, M.E. 2009. *Narcine vermiculatus*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org).
- Bizzarro, J., Smith, W., White, W.T., and Valenti, S.V. 2009. *Mobula kuhlii*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org).
- Villavicencio Garayzar, C., and Bizzarro, J.J. 2009. *Narcine entemedor*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Bizzarro, J.J. 2006. *Urobatis concentricus*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org).
- Bizzarro, J.J. 2006. *Urobatis maculatus*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Bizzarro, J.J. 2006. *Rhinobatos leucorhynchus*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)

- Bizzarro, J.J. and Kyne, P.M. 2006. *Zapteryx exasperata*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Bizzarro, J.J., and White, W.T. 2006. *Gymnura poecilura*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Bizzarro, J.J., Smith, W.D., and Clark, T. 2006. *Mobula munkiana*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Clark, T.B., Smith, W.D., and Bizzarro, J.J. 2006. *Mobula tarapacana*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Clark, T.B., Smith, W.D., and Bizzarro, J.J. 2006. *Mobula thurstoni*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- de Carvalho, M.R., McCord, M.E., and Bizzarro, J.J. 2006. *Diplobatis ommata*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Márquez-Farías, J.F., Smith, W.D., and Bizzarro, J.J. 2006. *Rhinobatos productus*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Marshall, A., Ishihara, H., Dudley, S.F.J., Clark, T.B., Jorgensen, S., Smith, W.D., and Bizzarro, J.J. 2006. *Manta birostris*. The IUCN Red List of Threatened Species. Version 209.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Smith, W.D. and Bizzarro, J.J. 2006. *Gymnura marmorata*. The IUCN Red List of Threatened Species. Version 209.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Smith, W.D. and Bizzarro, J.J. 2006. *Myliobatis longirostris*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Smith, W.D. and Bizzarro, J.J. 2006. *Rhinoptera steindachneri*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- Smith, W.D., Bizzarro, J.J., and Lamilla, J. 2006. *Dasyatis dipterura*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)
- White, W.T., Clark, T.B., Smith, W.D., and Bizzarro, J.J. 2006. *Mobula japanica*. The IUCN Red List of Threatened Species. Version 2014.2. [www.iucnredlist.org](http://www.iucnredlist.org)

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## GRADUATE THESES & SELECTED GREY LITERATURE

- Bizzarro, J.J. 2015. Comparative resource utilization of eastern North Pacific skates (Rajiformes: Rajidae) with applications for ecosystem-based fisheries management. Ph.D. Dissertation. University of Washington (UW), School of Aquatic & Fishery Sciences. Seattle, WA. 217 p.
- Ebert, D.A., Bizzarro, J.J., Brown, S.B., Boyle, M.D., and Cailliet, G.M. 2008. Diet and trophic ecology of skates in the Gulf of Alaska (*Raja* and *Bathyraja* spp.): ecological information for ecosystem-based management of demersal resources. NPRB Project 621 Final Report, 58 p.
- Bizzarro, J.J., Smith, W.D., Hueter, R.E., Tyminski, J., Márquez-Farías, J.F., Castillo-Géniz, J.L., Cailliet, G.M., and Villavicencio-Garayzar, C.J. 2007. The status of shark and ray fisheries resources in the Gulf of California: applied research to improve management and conservation. MLML Tech Pub 2009-01. 238 p.
- Bizzarro, J.J. 2005. Fishery biology and feeding ecology of rays in Bahía Almejas, Mexico. M.S. Thesis. California State University, San Francisco; Moss Landing Marine Laboratories. 468 p.
- Greene, H.G., Kvitek, R., Bizzarro, J.J., Bretz, C., and Iampietro, P. 2004. Fisheries habitat characterization of the California Continental Margin: identification, quantification, and synthesis of existing information. University of California Sea Grant. 3 DVDs and Tech. Report. Reference. Danbury, CT.
- Greene, H.G., Bizzarro, J.J., Erdey, M.D., Lopez, H., Murai, L., Watt, S., Tilden, J., and Levy, M. 2002. Essential fish habitat characterization and mapping of the California continental margin. Pacific States Marine Fisheries Commission Job No. 574.02 (CFDA#11-454).

- Bizzarro, J.J. 2002. Preliminary video analysis of coral, sponge, and *Metridium* distribution from rockfish transects made with the *Delta* submersible in southeast Alaska. Alaska Department of Fish and Game (ADFG) Regional Information Report No. 1J02–38, 24 p.
- Wagner, D., Greene, H.G., Saucedo, G.J., Pridmore, C.L., Watkins, S.E., Little, J.D., and Bizzarro, J.J. 2002. Regional Geologic Map Series, 1:100,000 scale. Map No. 1: Monterey Quadrangle and adjacent areas. California Geological Survey. San Francisco, CA.
- Bizzarro, J.J. 2001. The occurrence of mobulid (Chondrichthyes: Mobulidae) rays in the Gulf of California and their associated fisheries. Tech. Report prepared for Monterey Bay Aquarium. 32 p.
- Yoklavich, M.M., Greene, H.G., Bizzarro, J.J., Sandoval, E.J., Ven Tresca, D., and Kvitekk, R. 2001. Integrated maps of seafloor habitats and onshore geology in the Big Creek Ecological Reserve area. CA Sea Grant College Program. Publications from the Marine Ecological Reserves Research Program 1996–2001.
- Greene, H. G., Yoklavich, M.M., O’Connell, V.M., Starr, R.M., Wakefield, W.W., Brylinsky, C.K., Bizzarro, J.J., and Cailliet, G.M. 2000. Mapping and Classification of Deep Seafloor Habitats. ICES paper CM 2000/T:08. 11 p.
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## TEACHING, SUPERVISING, AND MENTORING

- Undergraduate Thesis (Capstone) Supervisor for Kim Axberg through the School of Aquatic and Fishery Sciences at the University of Washington (2011–2012).
  - M.S. Thesis advisor for Marie Cachera through the European Marine Institute at the University of Brest, France (2009).
  - Mentored six M.S. students at MLML’s Pacific Shark Research Center on theses involving trophic relationships and/or spatial associations of sharks and skates; led weekly instructional meetings on data collection, statistical analysis, and manuscript preparation; all students have graduated and have published their work (see Brown et al. 2012, above) or have manuscripts in preparation.
  - Teaching Fellow (\* = Graduate Level Course)
    - MLML: \*Advanced Topics in Ichthyology (2002)
    - UW: \*Functional Morphology and Ecology of Fishes (2010, 2012), Foundations of Physiology (2013), Marine Biology (2013, 2014), Introductory (Cell) Biology (2014, 2015), Climate Change (2014)
  - Invited Statistical Lectures (\* = Graduate Level Course)
    - MLML: Population Biology (2003, 2005, 2007), Marine Ichthyology (2004, 2006, 2008)
    - UW: \*Functional Morphology and Ecology of Fishes (2010, 2012), Foundations of Physiology (2013)
  - Invited Biological Lectures (\* = Graduate Level Course)
    - MLML: Marine Ichthyology (2004, 2006, 2008), \*Biology of Chondrichthyan Fishes (2006)
    - UW: \*Functional Morphology and Ecology of Fishes (2010, 2012), Ichthyology (2011), Marine Biology (2013)
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## PROFESSIONAL EXPERIENCE

- Conducted research aimed at filling ecological data gaps for exploited and endangered marine fishes; invited participant/presenter at: 1) NOAA/NMFS Essential Fish Habitat Review Committee (2011–2013, Santa Cruz/Portland); 2) NMFS Species of Concern Workshop (Seattle, 2009), 3) IUCN International Batoid Red List Workshop (2004, Cape Town, South Africa); 4) Working group to establish the first National Shark Conservation and Management Plan (2003-2004, Guaymas, Mexico)
  - Authored 18 peer-reviewed journal articles, 14 book chapters and encyclopedia articles, 23 ICUN Red List Assessments, 25 grey literature documents, 18 benthic habitat and geological seafloor maps, and 96 scientific presentations.
  - Session Moderator during meetings of the following organizations: American Elasmobranch Society (2002, 2007, 2009); GeoHab (Marine Geological and Benthic Habitat Mapping) (2002)
  - Advanced GIS and analytical skills, including: digital cartography, spatial analysis, geostatistics, multivariate statistics, ecological modeling, regression, and traditional descriptive and inferential statistics.
  - Advanced writing and editing skills. Recent editor of international scientific organization (American Elasmobranch Society), and former assistant editor for Interdisciplinary Encyclopedia of Marine Science (Grolier Academic Reference).
  - Reviewed manuscripts and proposals for: International Union for the Conservation of Nature, Food and Agricultural Organization of the United Nations, National Geographic Society, Pacific Gas and Electric Company, Monterey Bay Aquarium, Monterey Bay National Marine Sanctuary, National Marine Fisheries Service, Instituto Nacional de la Pesca (Mexican National Fisheries Service), Pacific Fisheries Management Council, Alaska Sea Grant, North Pacific Research Board, Marine Ecology Progress Series, Fisheries Research, Cybium, Journal of Fish Biology, Estuaries and Coasts, Environmental Biology of Fishes, Journal of the Marine Biological Association of the U.K., Zootaxa, Marine Biology, ICES Journal of Marine Science, Belgium Journal of Zoology, Aquatic Biology, Bulletin of Marine Science, California Cooperative Fisheries Investigation Reports, Marine Biodiversity Records, and Endangered Species Research.
  - Submersible diver specializing in fish identification and habitat characterization with 44 hours of bottom time. Worked in this capacity for NMFS, ADFG, and UC Sea Grant, in addition to two of my own funded projects.
  - Served as Principal Investigator during five ship-board trawl surveys, over 300 days of sea time.
  - Experienced field ecologist with more than 500 sampling days.
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