

## CURRICULUM VITAE

### Elizabeth (Beth) Anne Horvath

#### Education:

- May, 1976, Bachelor of Arts, Biology--Westmont College
- August, 1981, Masters of Science, Biology--Cal. State Univ., Long Beach  
Dissertation Title: *Experiences in Marine Science, an Introductory Text.*  
Supplemental Research Projects: Pelagic Snails; Development in Pelagic Tunicates; SEM studies of Luminescence in Pelagic Tunicates
- Selected Graduate Level Courses beyond Master's; subjects include--  
Channel Island Biology, Deep Sea Biology, Conservation Biology; also  
Field Course: Natural History of the Galapagos Islands (UCLA)

#### Teaching Experience:

- (Emphases on: Marine Biology, Invertebrate Zoology, Marine Ecology and Natural History, Zoology, Marine Mammals)
- Westmont College, 1978-1998, Part time to Full time Instructor
  - Santa Barbara City College, 1989-1990, Instructor (Human Anatomy)
  - Westmont College, 1998-2013, Assistant Professor; 2013-Present, Associate Professor
  - AuSable, Pacific Rim: Assistant/Associate Professor, 1998-2006; 2018-Present
  - CCSP-New Zealand: Associate Professor, Spring, 2010, Fall, 2011, Fall, 2012

**Courses Created/Developed:** (Undergraduate level, most Upper Division): Marine Biology, Invertebrate Zoology, Marine Invertebrates, Marine Mammals, Marine Mammal Ecophysiology, Animal Diversity, General Zoology

#### Rank:

- First Year at Westmont: Instructor (part-Time), 1978; Full-Time, 1988  
Previous Rank: Instructor of Biology, 1990-1998; Assistant Professor, 1998-2013  
Present Rank: Associate Professor, Fall 2013 to the present

#### Administrative Duties Have Included:

Laboratory Coordinator, also overseeing other Laboratory Personnel for Biology Department (prior to full time faculty status); Student Academic Advisor; Standing Committee Work, Westmont (at least seven different committees); Served 4 years on Academic Advisory Board for Creation Care Stewardship Program; Consultant for Au Sable marine course curriculum; Practicum Supervisor for all Biology Practicum student experiences; Two-year service--Vice President of Westmont Chapter of Phi Kappa Phi Honor Society; Two-year service--President of the Westmont Chapter of Phi Kappa Phi; Interim Chair of campus Institutional Review Board; Interim member of Academic Senate: Academic Resources Committee; Interim Department Chair (Fall, 2009-Spring, 2010); Advisory Board for Pacific Rim Environmental Institute; Chair of Westmont IRB Committee (2.5 years); authored Biology Department Annual Report (2011-2012); Served on Search Committee for the Westmont Director of Global

Education position; Spring, 2013 to Spring 2015, Off Campus Programs Committee; for academic year 2015-2016, 1-year replacement on Program Review Committee; for academic year 2016-2017, 1-year replacement on Professional Development Committee; Fall, 2018-Spring, 2019 (for one-year term), Biology Department Chair; Fall, 2019: Secretary for the Faculty

**Research Studies:** (Most current listed first)

- Gorgonian Corals of the CA Bight: Taxon reorganization/ecology, 2002-Present, (also as Research Associate for Santa Barbara Museum of Natural History)
- Shell Selectivity of Intertidal Hermit Crabs, 1994-Present
- Water Quality of Coastal Waters, 1990-Present
- Management/Conservation Strategies of Wildlife, Kenya, E. Africa, 1989
- Speciation of Galapagos Finches, 1987 (with American Museum. of Nat. History)
- Honeycreeper Bird Count, 1987, Hawaii (with Nature Conservancy of Hawaii)
- Kelp Forest Monitoring Program, 1986-1989, Channel Islands National Park

**Professional Memberships** have included:

- Western Society of Naturalists
- National Marine Educators Association
- The Nature Conservancy
- The Society for Conservation Biology (current)
- East African Wildlife Society
- Santa Barbara Museum of Natural History (current)
- Biological Society of Washington (current)
- Southern California Association of Marine Invertebrate Taxonomists (current)

Member: Phi Kappa Phi Honor Society, election at CSULB, 1976-Present (Served as Vice President 2003-2005 and as President, of the Westmont College Chapter of PKP, for the years 2005-2007)

**Honors and Awards:**

- Who's Who of America's Teachers, 2000, 2002, 2005, 2007
- Teacher of the Year, Behavioral and Nat. Sciences, Westmont College, 1999-2000
- Research Faculty of the Year, Behavioral and Natural Sciences, 2018-2019

**Community Service:**

- Research Associate, Santa Barbara Museum of Natural History (current)
- Naturalist, expeditions-Baja/Sea of Cortez on R/V *Searcher* out of San Diego
- Research Associate, Santa Barbara Museum of Natural History (early '90's)
- Naturalist, Santa Barbara Museum of Natural History, Whale Watch Trips
- Guest Lecturer: Westmont Downtown Lecture Series, Featured Speaker, Fall 2018: *Gorgonian Corals: Sentinels of Deep Sea Habitat Changes along the West Coast*; SCAMIT Workshops (ongoing); Providence High School, biology courses; Santa Barbara City Schools; Santa Barbara Malacological Society

- Lay Reader/Intercessor: Trinity Episcopal Church (for ~13 years)

### Research-specific Service:

--Consultant for following governmental/private agencies (all currently being served):

Auke Bay Laboratories, Alaska Fisheries Science Center, NOAA Fisheries, Alaska,  
NOAA, Northwest Fisheries Science Center, Port Orchard, WA, Olympic Coast National Marine Sanctuary, WA  
NOAA, National Marine Fisheries Service, Santa Cruz, CA  
Monterey Bay Aquarium Research Institute (MBARI), Monterey, CA  
Research Lab of Dr. Milton Love, UC Santa Barbara, CA  
Natural History Museum of Los Angeles County, CA  
Los Angeles County Sanitation District, CA  
Long Beach Aquarium of the Pacific, CA  
Orange County Sanitation District, CA  
SCAMIT (So. CA Assoc. of Marine Invertebrate Taxonomists)  
NOAA, Fisheries Service—Southwest Fisheries Science Center, La Jolla, CA  
Graduate students at Temple University, Philadelphia, PA  
NOAA, National Centers for Coastal Ocean Science, Center for Coastal Environmental Health and Biomolecular Research, South Carolina  
NIWA (National Institute of Water and Atmospheric Research), Wellington, New Zealand  
Laboratorio de Invertebrados Bentonicos, Universidad Nacional Autonoma de Mexico, Mazatlan

--Conference member:

Conference attendee/Gorgonian Consultant, NOAA West Coast Research Initiative: *Deep-Sea Coral Research and Technology Program* (Workshop for the DSCRTP), UCSB, Spring, 2018

**Research website:** [horvath96.wix.com/gorgonianresearch](http://horvath96.wix.com/gorgonianresearch)

### Publications:

--Horvath, E.A. 2011. *An Unusual new "sea fan" from the northeastern Pacific Ocean (Cnidaria: Octocorallia: Gorgoniidae)*. Proceedings of the Biological Society of Washington, 124(1): Pages 45-52.

--Horvath, E.A. 2012. Workshop PowerPoint Presentation: *Taxonomic Issues for some of the California Bight's more "problematic" Gorgonian Genera (Identifying Gorgonian Corals of the California Bight)*. Posted on SCAMIT Website, "Taxonomic Tool Box."

--Horvath, E.A., Stone, R.P. (2018). *Another unusual new gorgonian (Anthozoa: Octocorallia: Plexauridae) from the Aleutian Islands of Alaska*. Zootaxa, 4524(1): Pages 112-120.

--Horvath, E.A. 2019a. *A review of gorgonian coral species (Cnidaria, Octocorallia, Alcyonacea) held in the Santa Barbara Museum of Natural History research collection: focus on species from Scleraxonia, Holaxonia, and Calcaxonia – Part I: Introduction, species of*

*Scleraxonia* and *Holaxonia* (Family *Acanthogorgiidae*). ZooKeys, Special Volume 860: Pages 1-66 (Appendix, 15 Figures).

--Horvath, E.A. 2019b. *A review of gorgonian coral species (Cnidaria, Octocorallia, Alcyonacea) held in the Santa Barbara Museum of Natural History research collection: focus on species from Scleraxonia, Holaxonia, Calcaxonia – Part II: Species of Holaxonia, families Gorgoniidae and Plexauridae*. ZooKeys, Special Volume 860: Pages 67-182 (3 Appendices, 52 Figures).

--Horvath, E.A. 2019c. *A review of gorgonian coral species (Cnidaria, Octocorallia, Alcyonacea) held in the Santa Barbara Museum of Natural History research collection: focus on species from Scleraxonia, Holaxonia, Calcaxonia – Part III: Suborder Holaxonia continued, and suborder Calcaxonia*. ZooKeys Special Volume 860: Pages 183-306 (3 Appendices, 43 Figures).

--Curt E. Whitmire, M. Elizabeth Clarke, Mary M. Yoklavich, Meredith V. Everett, **Elizabeth A Horvath**, Thomas F. Hourigan, and Stephen D. Cairns. (Awaiting publication, 2019). *Deep-Sea Coral Taxa in the U.S. West Coast Region: Depth and Geographic Distribution* (v. 2019). NOAA Publication (number yet to be assigned), 12 Pages.

--In progress: *Description of a new species in the deep-water genus Acanthogorgia from the Gulf of California, San Francisquito Bay, Baja, Mexico, with comprehensive listing of all species presently known from Mexico to southern coast of South America*. (Projected Publication, Fall/Winter, 2020).

--In progress: *Discussion and review of the genus Thesea in the eastern Pacific, within central and southern coastal waters of California*. (Projected Publication, Fall, 2020).

--In Progress: *Description of a new, deep-water Gorgonian Coral in the genus Leptogorgia from the waters of Olympic Coast National Marine Sanctuary* (with staff of Olympic Coast National Marine Sanctuary). (Projected Publication, Spring/Summer, 2020).