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Education

Ph.D., Aquatic and Fishery Sciences, University of Washington, Seattle, Washington. 2003.

M.S., Fisheries, University of Washington, Seattle, Washington. 1999

Washington State Professional Education Certificate, K-8, Biology, and Agriculture
Endorsements, University of California, Davis, California. 1986

B.A., Ecology, The Evergreen State College, Olympia, Washington. 1985

Research Positions

Principal Research Scientist, School of Aquatic and Fishery Sciences, University of
Washington. 2009-present

Research Associate, School of Aquatic and Fishery Sciences, University of Washington. 2004-
2009

Research Analyst III, School of Aquatic and Fishery Sciences, University of Washington.
2003.

Relevant Publications

Vadopalas, B. Davis J. and Friedman C.S. . *in press* Maturation, spawning, and fecundity of
farmed Pacific geoduck *Panopea generosa* in Puget Sound, Washington. Journal of
Shellfish Research.

Straus, K., **Vadopalas, B.**, Davis J. and Friedman C.S. *in press*. Reduced genetic variation and
decreased effective number of breeders in five year classes of cultured geoduck clams
{*Panopea generosa*). Journal of Shellfish Research.

Dorfmeier E.M., **Vadopalas B.**, Frelie P., *and Friedman C.S. *in press* Temporal and spatial
variability of native geoduck (*Panopea generosa*) endosymbionts in the Pacific Northwest.
Journal of Shellfish Research.

Leyva-Valencia I., Cruz-Hernández P., Álvarez-Castañeda S. T., Rojas-Posadas D. I., Correa-
Ramírez M. M., **Vadopalas B.**, and Lluch-Cota D. B. *in press*. Phylogeny and
phylogeography of geoduck clams *Panopea* (Bivalvia: Hiatellidae). Journal of Shellfish
Research.

Leyva-Valencia, I., **Vadopalas B.**, Cruz-Hernández, P., Lluch-Cota D. B. and Rojas-Posadas,
D. I. 2013. Reclassification of *Panopea generosa* var. *taeniata* Dall 1918 as a fossil
morphotype of *P. globosa* Dall 1898. Malacologia. 56:315-319

Leyva-Valencia, I., Cruz-Hernández, P., Álvarez-Castañeda S.T., González-Peláez, S., Pérez-
Valencia, S., **Vadopalas B.**, Ramírez-Pérez S. and D. Lluch-Cota. 2012. Shell shape
differences between two *Panopea* species and phenotypic variation among *P. globosa*
aggregations using two geometric morphometrics approaches. Malacologia 55:1-13

Vadopalas, B., LeClair, L.L., and P. Bentzen 2012. Temporal genetic similarity among year
classes of the Pacific geoduck clam (*Panopea generosa* Gould 1850), a species exhibiting
population genetic patchiness. Journal of Shellfish Research 31:697-709

- Bouma, J.V., Rothaus, D.P., Straus, K.M, **Vadopalas, B.**, and C.S. Friedman. 2012. Low juvenile pinto abalone (*Haliotis kamtschatkana kamtschatkana*) abundance in the San Juan Archipelago, Washington State. Trans. of the American Fisheries Society 141:76-83.
- Vadopalas, B.**, Weidman, C, and Cronin, E. 2011. Validation of age estimation in geoduck clams using the bomb radiocarbon signal. Journal of Shellfish Research 30:303-307
- Vadopalas, B.**, Pietsch, T.W., and C.S. Friedman, 2010. The proper name for the geoduck: resurrection of *Panopea generosa* Gould, 1850, from the synonymy of *Panopea abrupta* (Conrad, 1849) (Bivalvia: Myoida: Hiatellidae). Malacologia 52(1):169-173
- Camara, M.D. and **B. Vadopalas**. 2009. Genetic aspects of restoring Olympia oysters and other native bivalves: balancing good intentions, the need for action, and the risks of making things worse. Journal of Shellfish Research 28:121-145
- Wight, N.A., J. Suzuki, **B. Vadopalas**, and C.S. Friedman. 2009. Development and optimization of quantitative PCR assays to aid *Ostrea lurida* Carpenter 1864 restoration efforts. Journal of Shellfish Research 28:33-41
- Rothaus, D, **B. Vadopalas**, and C. Friedman. 2008. Precipitous declines in pinto abalone (*Haliotis kamtschatkana kamtschatkana*) abundance in the San Juan Archipelago, Washington, USA, despite statewide fishery closure. Canadian Journal of Fishery and Aquatic Sciences 65:2703-2711
- Vadopalas, B.**, Bouma, J.V., Jackels, C.R., and C.S. Friedman, 2006. Application of real-time PCR for simultaneous identification and quantification of abalone larvae. Journal of Experimental Marine Biology and Ecology 334:219-228
- Vadopalas, B.**, LeClair, L.L., and P. Bentzen, 2004. Microsatellite and allozyme analyses reveal few genetic differences between spatially distinct aggregations of geoduck clams (*Panopea abrupta*, Conrad 1849). Journal of Shellfish Research 23(3):693-706.
- Vadopalas, B.** and J.P. Davis, 2004. Optimal chemical triploid induction in geoduck clams, *Panopea abrupta*, by 6-dimethylaminopurine. Aquaculture 230:29-40
- Vadopalas, B.** and P. Bentzen, 2000. Isolation and characterization of di- and tetranucleotide microsatellite loci in geoduck clams, *Panopea abrupta*. Molecular Ecology 9:1435-1436

Relevant Reports

- Straus, K.M, McDonald, P.S., Crosson, L. M., and **B. Vadopalas**, 2013. Effects of Geoduck Aquaculture on the Environment: a Synthesis of Current Knowledge. Produced for the 2013 Washington State legislature. Washington Sea Grant Technical Report # WSG-TR 13-02, Seattle. 46 pp. <http://wsg.washington.edu/research/geoduck/Geoduck-Literature-Review-2ndEd.pdf>
- Watson, J.T. and **B. Vadopalas**. 2009. Washington State Recovery Plan for Pinto/Northern Abalone (*Haliotis kamtschatkana*)—Draft. Washington Department of Fish and Wildlife Report. 39 pp. <http://www.pintoabalone.org/Pages/pRecoveryPlan.html>
- Vadopalas, B.**, D. Armstrong, C. S. Friedman, K. Feldman, G. VanBlaricom, D. Cheney, J. Davis, R. Elston, and A. Suhrbier. 2005. Identification of research priorities relevant to geoduck (*Panopea abrupta*) aquaculture environmental impacts. Washington Department of Natural Resources Report, 34 pp.