

**Julie E. Masura, M.S.**

Environmental Science/IAS  
University of Washington, Tacoma  
1900 Commerce St., Campus Box 358436  
Tacoma, WA 98402 USA

Office phone: (253) 6924317  
Fax: (253) 692-4639  
jmasura@u.washington.edu

**Education**

Washington State University – M.S. Geology 1998  
Washington State University - B.S. Geology 1994

**Employment**

Research Affiliate Faculty – *Center for Urban Waters, University of Washington, Tacoma* (2010- )  
Lecturer – *University of Washington, Tacoma* (2005- )  
Science Instructor – *North Seattle Community College* (2000-2007)

**Grants**

2012-2015 Understanding dormancy requirements and germination of *Alexandrium* cysts and evaluating cyst mapping as a tool for early warning of harmful algal blooms. (with NOAA/NWFS) Washington Sea Grant [\$99,366]  
2010-2014 Modeling favorable habitat areas for *Alexandrium catenella* in Puget Sound and evaluating the effects of climate change. (with NOAA/NWFS, APL and UWS JISAO - Climate Group) NOAA ECOHAB [\$741,779]  
2009-2013 Quartermaster Harbor Nitrogen Management Study. (with King County and Department of Ecology) EPA [\$625,000]

**Selected Publications/Presentations** (\* students)

Greengrove, C., **J. Masura**, S. Moore, B. Bill, L. Hay\*, N. Banas, E. Salathe Jr., N. Mantua, D. Anderson, V. Trainer, J. Stein. Forthcoming 2014. *Alexandrium catenella* cyst distribution and germination in Puget Sound, WA USA. In: *Proceedings of the 15th International Conference on Harmful Algae*. International Society for the Study of Harmful Algae and Intergovernmental Oceanographic Commission of UNESCO, Korea

King County. 2014. Quartermaster Harbor Marine Water Quality Data Report 2007-2011. Prepared by Kimberle Stark (King County Water and Land Resources Division), C. Greengrove, N. Schlafer, N. Huber, and **J. Masura** (University of Washington-Tacoma). Submitted by King County Dept. of Nat. Resources & Parks, Seattle, Washington.

Greengrove, C., S. Moore, **J. Masura**, B. Bill, L. Hay\*, E. Salathe Jr., N. Banas, N. Mantua, D. Anderson, V. Trainer, J. Stein. 2012. *Alexandrium catenella* in Puget Sound, WA USA: Cyst Distribution and Germination and Cell Growth Rates and Toxicity. GEOHAB Core Research Project: HABS in Fjords and Coastal Embayments: Open Science Meeting #2: Progress in interpreting life history and growth dynamics of HABS in fjords and coastal environments. Victoria, BC Canada

Greengrove, C., **J. Masura**, S. Moore, B. Bill, J. Emenegger\*, P. Leigh\*, E. Salathe Jr., N. Banas, N. Mantua, D. Anderson, J. Stein. 2011. The distribution of *Alexandrium catenella* cysts in the surface sediments of Puget Sound, WA in 2011. Salish Sea Conference, Vancouver BC Canada

Schatz, M.\*, **J. Masura**, and C. Greengrove. 2009. Mapping the concentration of *Alexandrium catenella* cysts in Quartermaster Harbor. Fifth Symposium on Harmful Algae in the U.S., Ocean Shores, WA

C.L. Greengrove, S. Davies-Vollum, J.E. Gawel, J.R. Postel, A.M. Cox\*, J. Hubert\*, A. Abrahamson\*, **J. Masura**, and B.W. Frost. 2007. *Alexandrium catenella* cysts and environmental conditions in Puget Sound, WA: Results of a cyst survey. Fourth Symposium on Harmful Algae in the U.S., Woods Hole, MA