

VITA

SUE BLAKE

County Extension Educator, Assistant Professor

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EDUCATION

A. Degrees Earned

1985 M.S., Applied Biology/Environmental Studies, Western Washington University, Bellingham, WA

1982 B.S., Freshwater Ecosystems Analysis, Western Washington University, Bellingham, WA

B. Certificates and Licenses

2010 Rainwater Harvesting with Earthworks and Cisterns, Watershed Management Group, Tucson, AZ

1990 Water Treatment Plant Operator 3, Washington State Department of Health

1988 Wastewater Treatment Plant Operator I, Washington State Department of Ecology

1986 Certified to Supervise Regulatory Bacteriological Analysis, Washington State Department of Health

EMPLOYMENT

A. University Related

2007-present Water Resource Faculty, Assistant Professor, Washington State University Extension Whatcom County, supervision 5 employees

1982-1986 Research Assistant, Western Washington University, Institute for Watershed Studies, Bellingham, WA

1982 Teaching Assistant Biology, Western Washington University, Bellingham, WA

B. Other

1990-2007 Water Resource Manager/Senior Planner Water Resources,
Whatcom County, Bellingham, WA

1986-1990 Water Quality Supervisor, City of Bellingham, Bellingham, WA

1985 Air Monitoring Technician, Department of Ecology, WA

1984 Research Lab Analyst, Lockheed Engineering and Management
Services Co., Inc., Las Vegas, NV

1981 Hydrology Aid, United States Forest Service, John Day, OR

1980 Park Technician, Protection, United States National Park Service,
Boston National Historic Park, Boston, MA

1978-1979 Forestry Technician, Reforestation, United States Forest Service,
Prairie City, OR

HONORS AND AWARDS

2012 Puget Sound Champion, Whatcom Water Week

1985 Sigma Xi, Scientific Research Society

GRANTS, CONTRACTS, AND FUND GENERATION¹

A. Grants and Contracts

Whatcom County ECO Net Block Grant - Capacity Building. Puget Sound Partners. \$10,000. P.I.: S. G. Blake P.I.: R.n. Jones. (10/14 - 6/15) (3,4,5, \$10,000)

NPDES Phase II 2014 - 2015. Whatcom County Public Works. \$14,949. P.I.: S. G. Blake.. Blake. (08/14 - 07/15) (1,2,3,4,5, \$14,949)

2014 - 2015 Whatcom ECO Net Coordination. Puget Sound Partners. \$6,000. P.I.: S. G. Blake. (08/14 - 07/15) (1,2,3,4,5, \$6,000)

Whatcom Assistance – State of the Bay Symposium. Whatcom County. \$8,314. P.I.: S. G. Blake. (06/14 - 09/14) (1,2,3,4,5, \$8,314)

Gardening Green: Sustainable Landscaping Classes. City of Bellingham. \$9,310. P.I.: S. G. Blake. (02/14 - 12/14) (1,2,3,4,5, \$9,310)

WA Sea Grant Marine Advisory Services. University of Washington. \$138,063. P.I.: S. G. Blake. (02/14 - 01/18) (1,2,3,4,5, \$138,063)

NPDES Phase II 2013/2014. Whatcom County Public Works. \$14,935. P.I.: S. G. Blake. (08/13 - 07/14) (1,2,3,4,5, \$14,935)

¹ Key to indicators or description of contributions to Grants, Contracts and Fund Generation: 1 = Provided the initial idea; 2 = Developed research/program design and hypotheses; 3 = Authored or co-authored grant application; 4 = Developed and/or managed budget; 5 = Managed personnel, partnerships, and project activities.

12,000 Rain Gardens 2. Russell Family Foundation, Boeing and Stewardship Partners. \$45,000. P.I.s C. Moulton, Kedziorski, P, Guttman, E., Simmons, B., Blake, S., Lawrence, T., Aitken, M., McMoran, D., Lewis, L., Rome, C., Bertolotto, C., and Collman, S. (04/13 - 03/14) (1, 4,5, \$3,000)

2013-2014 Whatcom ECO Net Coordination. Puget Sound Partnership. \$6,000. P.I.: S. G. Blake. (08/13 - 06/14) (1,2,3,4,5, \$6,000)

Gardening Green – Sustainable Landscaping Workshops. City of Bellingham. \$9,310. P.I.: S. G. Blake. (03/13 - 12/13) (1,2,3,4,5, \$9,310)

WA Sea Grant Marine Advisory Services. University of Washington. \$33,057. P.I.: S. G. Blake. (01/13 - 01/14) (1,2,3,4,5, \$33,057)

Whatcom ECO Net Coordination. Puget Sound Partnership. \$5,000. P.I.: S. G. Blake. (07/12 - 06/13) (1,2,3,4,5, \$5,000)

NPDES Phase II Community Outreach – Runoff/Phosphorus Reduction through Residential Landscape Practices. Whatcom County Public Works. \$14,429. P.I.: S.G. Blake. (07/12 – 08/13) (1,2,3,4,5, \$14,429)

Bellingham Bay – Nooksack River. Northwest Indian College NIFA. \$20,382. P.I.: S. G. Blake. (09/12 - 08/15) (2,3,4,5, \$20,382)

Integration of Improved Cultural Practices in Red Raspberries. WA AG. \$236,300. P.I.: C. Benedict and Co-P.I.: S. G. Blake. (09/12 - 09/15) (1,2,3)

WA Sea Grant Marine Advisory Services. University of Washington. \$9,014. P.I.: C. Burrows and Co-P.I.: S. G. Blake. (01/12 - 01/13) (1,2,3,4,5, \$33,057)

Raspberry and Soil Health. WA Red Raspberry Commission. \$9,014. P.I.: C. Burrows and Co-P.I.: S. G. Blake. (02/11) (2,3,5)

Carbon Masters Volunteer Program. NW Clean Air Agency. \$18,976. P.I.: S. G. Blake and Co-P.I. D. Betz. (08/11- 07/12) (1,2,3,4,5, \$18,976)

WA Sea Grant Marine Advisory Services. University of Washington. \$33,057. P.I.: S. G. Blake. (01/11 - 01/12) (1,2,3,4,5, \$33,057)

Shore Stewards Expansion and Evaluation. Whatcom County. \$8,000. P.I.: S. G. Blake. (11/10 - 06/10) (1,2,3,4,5, \$8,000)

Chuckanut Bay Environmental Education. City of Bellingham. \$6,500. P.I.: S. G. Blake. (06/10 - 12/11) (1,2,3,4,5, \$6,500)

Birch Bay Residential Landscape Techniques. Whatcom County. \$1,675.

P.I.: S. G. Blake. (07/10 - 02/11) (1,2,3,4,5, \$1,675)

WA Sea Grant Marine Advisory Services. University of Washington Sea Grant. \$32,679.

P.I.: S. G. Blake. (06/10 - 05/11) (1,2,3,4,5, \$32,679)

Residential Landscaping Practices. Whatcom County Public Works. \$15,690.

P.I.: S. G. Blake. (06/10 - 05/11) (1,2,3,4,5, \$15,690)

MRC Chuckanut Bay/Village Marsh Education Events. Whatcom County. \$1,500.

P.I.: C. MacConnell and Co-P.I.: S. G. Blake. (07/09 - 10/09) (1,2,3,4,5, \$1,500)

Bellingham Bay Hypoxia and Fecal Coliform Research. Northwest Indian College.

\$26,250. P.I.: C. MacConnell and Co-P.I.: S.G. Blake (10/09 – 09/11) (1,2,3,4,5, \$26,500)

WA Sea Grant Marine Advisory Services. University of Washington Sea Grant. \$32,679.

P.I.: C. MacConnell and Co-P.I.: S. G. Blake. (06/09 - 05/10) (1,2,3,4,5, \$32,679)

Watershed Master/Beach Watcher. Whatcom County. \$2,000.

P.I.: D. Betz and Co-P.I.: S. G. Blake. (05/08 - 06/08) (2,3,4,5, \$2,000)

WA Sea Grant Marine Advisory Services. University of Washington Sea Grant. \$32,571.

P.I.: C. MacConnell and Co-P.I.: S. G. Blake. (06/08 - 05/09) (1,2,3,4,5, \$32,571)

Whatcom County Extension Watershed Master/Beach Watcher. Whatcom Community

Foundation. \$7,500. P.I.: C. MacConnell and Co-P.I.: S.G. Blake. (06/08 – 09/08) (2,3,4,5, \$7,500)

B. Gifts and Awards

C. Program Revenue Generation and Sponsorships

Whatcom Water Weeks 2014, "Water, Food, and You". BP - \$1,100; RH2 Engineering - \$500; Lake Whatcom Water and Sewer District - \$750; Freeland and Associates - \$250; Washington Sea Grant - \$1,000; Co-P.I.. S. Blake. (09/06/2014 – 09/22/2014) (1,2,3,4,5, \$3,600)

State of the Bay Symposium. Phillips 66 - \$1,000, Intalco - \$1,000 - \$1,000. P.I.. S. Blake. (01/15)

D. MOA's and funding secured from Public, Non-profit, and Private entities

E. Unfunded Grant Proposals - Summarized by Year

Year	Total Grants	Total Dollars
2014	1	\$199,118
2012	1	\$225,182
2011	2	\$315,000
2010	3	\$146,210
2008	1	\$98,858
2007	1	\$4,914

PUBLICATIONS AND CREATIVE WORK²

A. Peer-reviewed Journal Articles

B. Peer-reviewed Extension Publications

C. Peer-reviewed Curricula and Training Materials

D. Published Books, Book Chapters, Monographs

E. Creative Scholarship in Juried Events

Blake, S. B.. 2012. Poster – Water and Agriculture, An Essential Partnership. Developed and used at multiple events including 2012 Water Supply Symposium and Small Fruit Workshop. (1,2,3,4,5)

Blake, S. B.. 2010. Poster – Whatcom Watershed Information Network. Developed and used at multiple meetings and conferences including Climate Change Symposiums 2011/2012/2013 and Water Supply Symposium 2013. (1,2,3,4,5)

Blake, S. B.. 2010. Poster - Residential Low Impact Development Practices. Developed and used at multiple trainings, meetings, and conferences. (1,2,3,4,5)

Blake, S. B.. 2010. Poster – Phosphorus – How a Good Element Can Sometimes Go Bad. Developed and used at multiple trainings, meetings, and conferences. (1,2,3,4,5)

F. Educational Digital Media

Blake, S. B., and R. Peterson. 2012 - 2014. Bi-monthly email list-serve to Whatcom Watershed Information Network/Whatcom ECO Net (1,2,3,4,5,6)

Blake, S.B., and V. Alvarez. 2014. Bellingham Bay State of the Bay Symposium Website. (1,2,3,4,5,6)

² Key to indicators or description of contributions to Publications and Creative Work: 1 = Developed the initial idea; 2 = Obtained or provided funds or other resources; 3 = Collected data; 4 = Analyzed data; 5 = Wrote/created product; 6 = Edited product

Blake, S. B., V. Alvarez, R. Peterson, and E. Resch. 2009 - 2014. Whatcom Watershed Information Network Website/Facebook. (1,2,3,4,5,6)

Blake, S. B., and V. Alvarez. 2008-1014. WSU Extension Whatcom County Natural Resource Website. (1,2,3,4,5,6).

Blake, S.B., V. Alvarez, and C. Burrows. 2014. Whatcom County Food Network Water Section Website. (2,3,4,5,6)

Blake, S. B., and R. Peterson. 2014. Bi-monthly email list-serve to Whatcom Watershed Information Network/Whatcom ECO Net (1, 2,3,4,5,6)

G. Other Publications and Creative Work

Blake, S. B., and B. Peterson. 2014 WWIN/ECO Net Membership Analysis. Puget Sound Partnership Block Grant 2014/2015. (2,3,4,6)

Blake, S. B.. Bellingham Bay Research Symposium Goals/Objective. Whatcom Watershed Assistance Grant 2014. (1,2,3,4,5,6)

Blake, S. B.. 2014. WSU Extension Celebrating 100 Years of Service and Expanding Water and Natural Resource Programs. Op Ed Bellingham Herald September 2014. (2,3,4,5)

Blake, S. B., and L. Morgan-Hill. 2014. Designed and built mobile rain garden diorama used at local and regional offices, events and trainings including Master Gardner Advanced Training 2014. (1, 2, 3, 4, 5)

Blake, S.B., and S. Taylor. 2014. Designed and built display on residential integrated pest management. Used at various events including the 2014 Advanced Master Gardener Training. (1,2,6)

Blake, S. B., and S. Taylor. 2012 -2014. Designed and built diorama illustrating sustainable practices (inside and out) to address climate change adaptation and residential storm water runoff. (1,2,3,4,5)

Blake, S. B., M. Knittel, S. Taylor and J. Williams. 2013. Designed and built interactive electronic educational display to accompany sustainable home/landscape diorama used at multiple events. (1, 2, 3, 4, 5)

Blake, S. B.. 2013. Water and Agriculture. Whatcom Ag Monthly Volume 2, Issue 8. (1,2,3,4,5)

Blake, S. B.. 2008. Guest Editorial Washington Sea Star. (2,3,4,5)

PRESENTATIONS

A. International

Blake, S. 2014. *Water Session Water Bank Overview. Small Fruit Workshop, Whatcom County, WA.* Invited Event Facilitator/Presenter.

Blake, S. 2013. *Nitrates in Ground Water in Whatcom County. Abbotsford/Sumas International Task Force, Abbotsford, B.C.* Invited Presentation

Blake, S. 2013. *Water: Quantity and Quality - Issues Growers Need to Know. Small Fruit Workshop. Lynden, WA.* Invited Presentation and Moderator

Blake, S. 2011. *Water Resources Systems and Cycles in Whatcom County. ECO RAZ Symposium. Skagit County, WA..* Invited Presentation

B. National

C. State

Blake, S. 2013. *Symposium Climate Change and the Future of Food, Recipe for Tomorrow. Whatcom County, WA.* Invited Event Facilitator, Introduction/Summary Remarks.

Blake, S. 2013. *Whatcom County Water Supply Symposium – Searching for Certainty in Uncertain Times. Whatcom County, WA.* Invited Event Facilitator, Introduction/Summary Remarks.

Blake, S. 2013. *Water Quality/Quantity Issues Growers Need to Know. Small Fruit Workshop. Lynden, WA.* Invited Presentation and Moderator

Blake, S. 2013. *Community Engagement Opportunities. Carbon Masters Advanced Training, Skagit County, WA..* Invited Presentation

Blake, S. 2013. *Symposium Climate Change and the Future of Food, Recipe for Tomorrow. Whatcom County, WA.* Invited Event Facilitator, Introduction/Summary Remarks.

Blake, S. 2013. *Ocean Frontiers Movie and Panel Discussion. Annual Meeting. Skagit County, WA.* Invited Event Facilitator, Overview Remarks.

Blake, S. 2012. *Climate Change and the Future of Food. Climate Change Symposium, Whatcom County, WA.* Invited Event Facilitator, Introduction/Summary Remarks.

Blake, S. 2011. *Water Resources in Whatcom County. Ag Forestry Leadership Annual Meeting. Whatcom County, WA.. Invited Presentation*

Blake, S. 2011. *Time to Act – Adapting to Climate Change in Whatcom County Overview. Climate Change Symposium, Whatcom County, WA. Invited Event Facilitator, Introduction/Summary Remarks.*

Blake, S. 2011. *Carbon Masters in the 21st Century, Designing Projects that Matter. 2011 Northwest Washington Regional Climate Change Volunteer Summit. Skagit County, WA. Invited Presentation*

Blake, S. 2009. *Program Development and Evaluation Training, Washington Sea Grant. Seattle, WA.. Invited Presentation*

Blake, S. 2009. *Designing Projects that Matter. Master Gardener Advanced Training. Whatcom County, WA.. Invited Presentation*

D. Local

Blake, S. 2014. *Residential Sustainable Landscaping Training. Master Gardeners. Whatcom County, WA.. Invited Presentation*

Blake, S. 2014. *WWIN/ECO Net Updates, Quarterly Meetings. Whatcom County, WA.*

Blake, S. 2014. *Sustainable Landscaping: Gardening to Protect and Conserve Water and Environment. Residential Low Impact Development Classes. Whatcom County, WA.*

Blake, S. 2014. *Adapting to Climate Change with Sustainable Landscaping. Light Catcher Museum. Bellingham, WA. Invited Presentation*

Blake, S. 2014. *WSU Extension Water Programs. North County Rotary Club. Whatcom County, WA. Invited Presentation*

Blake, S. 2014. *WSU Extension Sustainable Landscaping Programs. Lake Whatcom Watershed Advisory Board. Bellingham, WA. Invited Presentation*

Blake, S. 2013. *Residential Sustainable Landscaping Training. Master Gardeners. Whatcom County, WA.. Invited Presentation*

Blake, S. 2013. *Sustainable Landscaping: Rain Gardens and More to Protect Water, the Environment and Many Other Things. Everson Garden Club. Whatcom County, WA.. Invited Presentation*

Blake, S. 2013. *Community Engagement. Carbon Masters Advanced Training. Whatcom County, WA.*

Blake, S. 2013. *WWIN/ECO Net Updates, Quarterly Meetings. Whatcom County, WA.*

Blake, S. 2013. *Rome Grange Program WRIA 1 Project. Annual Grange Meeting. Whatcom County, WA.*
Invited Presentation

Blake, S. 2013. *Sustainable Landscaping, Bioswales and More. Lake Whatcom Field Day. Whatcom County, WA.*

Blake, S. 2013. *Sustainable Landscaping: Gardening to Protect and Conserve Water and Environment. Residential Low Impact Development Classes. Whatcom County, WA.*

Blake, S. 2013. *Sustainable Landscaping: Site Assessment Training. Residential Low Impact Development Classes. Whatcom County, WA.*

Blake, S. 2012. *Whatcom Watershed Information Network. County Council Presentation. Whatcom County, WA.. Invited Presentation*

Blake, S. 2012. *Whatcom Food Network Focus on Water. Food Network Semi-annual Meeting. Whatcom County, WA. Invited Presentation*

Blake, S. 2012. *WWIN/ECO Net Updates, Quarterly Meetings. Whatcom County, WA.*

Blake, S. 2012. *Sustainable Landscaping Outreach Lake Padden. Whatcom Water Weeks. Whatcom County, WA.*

Blake, S. 2012. *Gardening Green Sustainable Landscaping Class Lake Padden. Whatcom Water Weeks. Whatcom County, WA.*

Blake, S. 2012. *Water-Friendly Gardening Practices, Master Gardeners. Whatcom County, WA.. Invited Presentation*

Blake, S. 2011. *Water-Friendly Gardening Practices - Cisterns, Whatcom County Home Show. Whatcom County, WA.. Invited Presentation*

Blake, S. 2011. *WWIN/ECO Net Updates, Quarterly Meetings. Whatcom County, WA.*

Blake, S. 2011. *Water Program Overview and Needs. Water Resource Advisory Team Meeting. Whatcom County, WA.*

Blake, S. 2011. *Shore Stewards 2011, Project Overview. Marine Resource Committee Meeting. Whatcom County, WA. Invited Presentation*

Blake, S. 2011. *Water Quality In a Multi-purpose Lake. Community Meeting. Whatcom County, WA.* Invited Presentation

Blake, S. 2011. *Water-Friendly Gardening Practices, Master Gardeners. Whatcom County, WA.* Invited Presentations

Blake, S. 2011. *Lake Whatcom - State of the Lake and Gardening Connection. Retired Men Organization. Whatcom County, WA.* Invited Presentation

Blake, S. 2011. *Carbon Masters 2011 Climate Change and Water Resources. Carbon Masters Training. Whatcom County, WA.* Invited Presentation

Blake, S. 2011. *Water-Friendly Gardening Practices, Whatcom County Workshops. Whatcom County, WA.*

Blake, S. 2011. *Whatcom Waters, Importance, Challenges, and What You Can Do. Festival Retirement Community Annual Meeting. Whatcom County, WA.* Invited Presentation

Blake, S. 2011. *Catch the Rain Cistern Tour. Water Weeks Event. Whatcom County, WA.*

Blake, S. 2010. *Water-Friendly Gardening Practices, Master Gardeners/Beach Watchers Trainings. Whatcom County, WA.* Invited Presentations

Blake, S. 2010. *WWIN/ECO Net Updates, Quarterly Meetings. Whatcom County, WA.*

Blake, S. 2010. *Lakes and Landscapes - The Connection, Lake Whatcom Watershed Residents. Whatcom County, WA.* Invited Presentation

Blake, S. 2010. *Forests and Water Quality. Annual 6th Grade Forest Field Days. Whatcom County, WA.*

Blake, S. 2010. *Lakes and Stewardship Opportunities, Lake Whatcom Community Meeting. Whatcom County, WA.* Invited Presentation

Blake, S. 2010. *Carbon Masters Water Resources and Climate Change, Carbon Masters Pilot Program Training. Whatcom County, WA.*

Blake, S. 2010. *Sustainable Landscaping - Tour for Elected Officials and Managers, Lake Whatcom Program Summary. Whatcom County, WA.*

Blake, S. 2010. *Lake Whatcom Circulation Model Research Overview, Lake Whatcom Management Team. Whatcom County, WA.* Invited Presentation

- Blake, S. 2010. *Sustainable Landscaping Training, Whatcom County Garden Club. Whatcom County, WA. Invited Presentation*
- Blake, S. 2009. *Water-Friendly Gardening Practices, Master Gardeners/Beach Watchers Trainings. Whatcom County, WA.. Invited Presentations*
- Blake, S. 2009. *Lakes and Lake Whatcom, Beach Watcher Training. Whatcom County, WA..*
- Blake, S. 2009. *Ground Water and Whatcom County, Beach Watcher Training. Whatcom County, WA..*
- Blake, S. 2009. *Climate Change, Beach Watcher Training. Whatcom County, WA..*
- Blake, S. 2009. *Water Resources and Climate Change, Carbon Masters Training. Whatcom County, WA.. Invited Presentation*
- Blake, S. 2009. *WWIN/ECO Net Updates, Quarterly Meetings. Whatcom County, WA.*
- Blake, S. 2009. *Outreach and Involvement Strategies, Silver Beach Community Meeting. Whatcom County, WA.. Invited Presentation*
- Blake, S. 2009. *Civic Engagement, Master Gardener Training. Whatcom County, WA.. Invited Presentation*
- Blake, S. 2009. *Septic Systems and Water Quality, Multiple Quarterly Trainings. Whatcom County, WA.. Invited Presentations*
- Blake, S. 2008. *Water Resource Planning in Whatcom County, Annual Grange Meeting. Whatcom County, WA.. Invited Presentation*
- Blake, S. 2008. *Salmon and Flood Control - Finding the Balance, South Fork Nooksack Workshop. Whatcom County, WA.. Invited Moderator/Presentation*
- Blake, S. 2008. *Meeting Water Supply Challenges, Mount Baker Water Association Annual Meeting. Whatcom County, WA.. Invited Presentation*
- Blake, S. 2008. *Lake-Friendly Gardening, Annual Meeting Silver Beach Neighborhood. Whatcom County, WA.. Invited Presentation*
- Blake, S. 2008. *Septic Systems and Water Quality, Multiple Quarterly Trainings. Whatcom County, WA.. Invited Presentations*

Blake, S. 2008. *Water-Friendly Gardening Practices, Master Gardeners/Beach Watchers Trainings. Whatcom County, WA.. Invited Presentations*

Blake, S. 2008. *Civic Engagement, Master Gardeners. Whatcom County, WA.. Invited Presentations*

Blake, S. 2008. *Water Resource Issues and Opportunities in Whatcom County, Squalicum High School Field Trip. Whatcom County, WA.. Invited Presentation/Facilitation*

UNIVERSITY INSTRUCTION

A. Credit Courses Taught

B. Additional Teaching

Blake, S. 2010. *Whatcom County Water Resources Overview. Western Washington University Class. Whatcom County, WA.. Invited Presentation*

Blake, S. 2010. *Nooksack Hatchery/Fisheries Tour, Northwest Indian College. Whatcom County, WA.. Invited Presentation/Organizer*

Blake, S. 2010. *Freshwater/Coastal Connections, Community College Teacher Training Western Washington University. Whatcom County, WA.. Invited Presentation*

C. Advising

PROFESSIONAL SERVICE

A. University

2013/2014 Faculty Team Member Developing Master Naturalist Program

2007 Support Washington Sea Grant Bellingham Workshop "Ocean and Coastal Research and Information Needs"

B. Professional Society

B. Community

2014 Member Whatcom County Marine Resource Committee

2014 Participant Human Health Indicator Workshop

2014 Member/Lead Whatcom Watershed Information Network

2014 Member Lake Whatcom Education Team

2014 Member Salmon Recovery Technical Review Committee

2013 Member Abbotsford/Sumas International Task Force

- 2013 Member of Whatcom County Marine Resource Committee
- 2013 Member/Lead Whatcom Watershed Information Network
- 2013 Member Lake Whatcom Education Team
- 2013 Member Salmon Recovery Technical Review Committee
- 2013 Member WRIA 1 Whatcom Integration Team
- 2012 Member of Whatcom County Marine Resource Committee
- 2012 Member/Lead Whatcom Watershed Information Network
- 2012 Member Lake Whatcom Education Team
- 2012 Member Salmon Recovery Technical Review Committee
- 2012 Member WRIA 1 Whatcom Integration Team
- 2011 Member of Whatcom County Marine Resource Committee
- 2011 Participated in Interjurisdictional Lake Whatcom Management Program
- 2011 Participant of Whatcom Watershed Information Network
- 2010 Participated in Whatcom County Marine Resource Committee, including Strategic Planning Sub-Committee and Education/Outreach Sub-Committee
- 2010 Participated in Interjurisdictional Lake Whatcom Management Program including establishing the Education/Outreach Sub-Committee
- 2010 Participated on Whatcom Watershed Information Network
- 2010 Acted as Whatcom County liaison to Puget Sound Partnership ECO Network
- 2009 Acted as Whatcom County liaison to Puget Sound Partnership ECO Net
- 2009 Participated in Whatcom County Marine Resource Committee, including Strategic Planning Sub-Committee and Education/Outreach Sub-Committee
- 2009 Participated in Interjurisdictional Lake Whatcom Management Program including establishing the Education/Outreach Sub-Committee
- 2008 Participated in Interjurisdictional Lake Whatcom Management Program including establishing the Education/Outreach Sub-Committee
- 2008 Participated in Whatcom County Marine Resource Committee, including Strategic Planning Sub-Committee and Education/Outreach Sub-Committee
- 2008 Re-established the Whatcom Watershed Information Network
- 2008 Assisted consultants for the Bertrand Watershed Improvement District in setting up a real-time water quality monitoring probe in Bertrand Creek
- 2008 Co-coordinator and facilitator for South Fork Community Meeting

C. Review Activities

- 2015 Shore Stewards Guide Update
- 2014 Master Naturalist Module Review
- 2013 Review Team Extension Publication, Stormwater
- 2013 Combined Review Team Member Ranking Proposals for WRIA 1 Salmon Recovery Board Grants

- 2012 Combined Review Team Member Ranking Proposals for WRIA 1 Salmon Recovery Board Grants
- 2011 Combined Review Team Member Ranking Proposals for WRIA 1 Salmon Recovery Board Grants
- 2011 City of Bellingham Climate Adaptation Plan
- 2010 Combined Review Team Member Ranking Proposals for WRIA 1 Salmon Recovery Board Grants
- 2009 Combined Review Team Member Ranking Proposals for WRIA 1 Salmon Recovery Board Grants
- 2008 Combined Review Team Member Ranking Proposals for WRIA 1 Salmon Recovery Board Grants
- 2008 Whatcom County Reviewer for Community Salmon Fund Grant Proposals
- 2007 Combined Review Team Member Ranking Proposals for WRIA 1 Salmon Recovery Board Grants
- 2007 Whatcom County Reviewer for Community Salmon Fund Grant Proposals
- 2007 Support Whatcom County Government Review of Draft Lake Whatcom Comprehensive Stormwater Plan

ADMINISTRATIVE RESPONSIBILITY

PROFESSIONAL & SCHOLARLY ORGANIZATION AFFILIATIONS

- Member Alliance of Natural Resource Outreach and Service Programs
- Member American Water Resource Association
- Member American Rainwater Catchment Systems Association
- Member American Society of Limnology and Oceanography

PROFESSIONAL DEVELOPMENT

- 2014 Indesign On-line Training
- 2014 ECOPRO Certified Sustainable Professional Landscape Training
- 2014 Ocean Sciences Conference
- 2014 Salish Sea Ecosystem Conference
- 2013 Alliance of Natural Resource Outreach & Service Programs Annual Conference
- 2013 LID Annual Review, Pullayup Research Station
- 2013 Water Supply Symposium
- 2013 Irrigation Training
- 2012 ECONet Summit
- 2012 Sexual Harassment Training WSU
- 2011 Salish Sea Conference
- 2011 Oregon State Climate Change Conference
- 2011 Phosphorus Management Seminar
- 2011 Green Building Webinar
- 2010 Rainwater Harvesting Certification Training, Watershed Management Group

2010 Ocean Science Conference
2010 Climate Change and Nutrient Management, Farm Fest
2010 Salmon Summit
2010 Water in the 21st Century, Emerging Science and Policy Issues
2010 American Indian Alaskan Native Climate Change Working Group
2010 EPA Webinar, Climate Impacts and Risk Communication
2010 EPA Webinar, Adaptation Planning and Implementation
2010 Purchasing Card Training Level 2
2010 WSU Extension, ANR Days
2009 National Sea Grant Academy Training: Project Design and Evaluation
2009 National Sea Grant Academy Training: Public Issues and Conflict Management
2009 EPA Webinars: An Urgent Call to Action Nutrient Innovation Task Group Report; Working Together to Address the Effects of Climate Change on Water; Green Roofs Beautiful and Innovative Solutions to Stormwater Pollution
2009 American Rainwater Catchment Systems Association Rainwater Harvesting Seminar and ARCSA Accreditation Workshop
2009 University of Washington Climate Impacts Group: Washington Climate Impacts Assessment Conference
2008 Low Impact Development Workshop, Bioretention
2008 Low Impact Development Workshop, Green Roofs, Foundations, Rainwater Collection
2008 Low Impact Development Workshop, Permeable Pavers
2008 Fostering Sustainable Behavior Workshop
2008 WSU Extension, Social Marketing Training
2008 Stormwater Webinars on Rain Gardens, Compost
2008 Rain Garden Workshop, WSU Extension
2008 South Sound Science Symposium
2008 Storming the Sound Education Conference
2008 Purchasing Card Training
2007 Diversity Training
2007 WSU New Faculty Orientation
2007 Foundation of Practice Workshop
2007 Writing Winning Grants Seminar
2007 Annual Meeting Northwest Straits Commission, Rosario, Orcas Island, Washington
2007 Water Policy in the Pacific Northwest Conference, Skamania Lodge, Stevenson, Washington
2007 Contract Management Required Training
2007 WSU On-line Registration System