

# ROBERT J. TURNER

Teaching Professor  
Interdisciplinary Arts and Sciences  
University of Washington Bothell  
Box 358530, 11136 N.E. 180th St.  
Bothell, WA 98011

3000 Russet Rd.  
Brier, WA 98036  
W: (425) 352-3616  
Fax: (425) 352-3462  
[RTurner1@uw.edu](mailto:RTurner1@uw.edu)

## EDUCATION

Ph.D. Marine Sciences **1999**  
University of North Carolina, Chapel Hill, NC

M.S. Geology **1988**  
Western Washington University, Bellingham, WA

B.S. Geology **1985**  
Allegheny College, Meadville, PA

## PROFESSIONAL EXPERIENCE

Teaching Professor, Interdisciplinary Arts and Sciences **2020 - Present**  
Senior Lecturer, Interdisciplinary Arts and Sciences **2012 - 2020**  
Assistant Professor, Interdisciplinary Arts and Sciences **2006 - 2012**  
University of Washington Bothell, Bothell, WA

Assistant Professor of Geology **2005 - 2006**  
C.W. Post Campus of Long Island University, Brookville, NY

Assistant Professor of Environmental and Marine Sciences **1999 - 2005**  
Southampton College of Long Island University, Southampton, NY

Instructor **Summer 2002**  
AustraLearn (now GlobalLinks Learning Abroad), Westminster, CO  
Instructor of record for month-long Tropical Marine Ecology field course in Queensland, Australia

Visiting Scholar **Summer 2001**  
United States Geological Survey, Sacramento, CA

Research Assistant, Teaching Assistant, and Instructor **1994 - 1999**  
University of North Carolina, Chapel Hill, NC

Hydrogeologist **1990 - 1993**  
North Carolina Department of Environment, Health and Natural Resources  
Division of Environmental Management, Groundwater Section, Raleigh, NC  
Director of North Carolina's Underground Injection Control Program. Authored and managed three \$100,000+ grants, supervised technicians, and conducted field investigations and modeling of groundwater contamination.

Environmental Scientist

1988 - 1989

U.S. Environmental Protection Agency – Region II  
Environmental Impacts Branch, New York, NY

Project Monitor for the review of federal environmental impact statements and Superfund remedial actions.

## **SELECTED PROJECTS AND AWARDS**

**Awardee - Exemplary Status for Online Teaching Modules “What is Sustainability in the Context of Water?” and “Water Footprints”** 2020

Awarded by the National Association of Geoscience Teachers On the Cutting Edge program

**Co-Principal Investigator - Development of Methods for Remediation of a Wetland Contaminated by Antibiotic Resistant Bacteria, Impacting the North Creek** 2020 - 2022

Co-PI on a \$44,000 grant from the WaterWorks Program of King County, WA

**Husky Green Award** 2019

Awarded by the UW Environmental Stewardship Committee to staff for demonstrating leadership, initiative and dedication to environmental stewardship and sustainability at UW

**Co-Principal Investigator - Streams, Trees and Salmon: Kokanee Restoration in North Lake Washington Small Streams** 2018 – 2020

Collaborator on a \$37,500 grant from the WaterWorks Program of King County, WA

**Awardee - Exemplary Status for Online Course Activity “Mapping Stormwater Runoff Infrastructure for the City of Bothell”** 2018

Awarded by the National Association of Geoscience Teachers On the Cutting Edge program

**Co-Principal Investigator - Investigation on the Use of Mycoremediation to Reduce Loading of Pathogenic Bacteria to North Creek** 2017 - 2019

Lead PI on a \$45,903 grant from the WaterWorks Program of King County, WA

**Principal Investigator - Developing Best Management Practices for Campus Stormwater** 2016 - 2017

Lead PI on a \$62,586 Green Seed Grant from the University of Washington

**Awardee - Exemplary Status for Online Course Activity “Quantifying Greenhouse Gas Emissions at the County Level: A Collaborative Term Project to Enhance Understanding of Climate Modeling and Quantitative Reasoning”** 2017

Awarded by the National Association of Geoscience Teachers On the Cutting Edge program

**Team Leader - Engaging Students in Grand Challenges in an Interdisciplinary Water Sustainability Course** 2013 - 2016

Recipient of \$10,000 to develop a [teaching module](#) on the Science Education Resource Center web site with 3 collaborators for the NSF-funded [InTeGrate Project](#).

**Team Member – Carbon Challenge: Footprint Reduction through Curricular Development and Community Building** 2015 - 2016

Participating faculty member on a \$48,959 [Green Seed Grant](#) from the University of Washington

**Project Director - Assessing the Impacts of Crows on Water Quality on the UWB Campus, Wetlands, and Reach of North Creek** 2012 - 2016

Project director of water quality study conducted by IAS students. Funding from UWB Facilities Services.

**Resource Faculty Member - Washington Campus Compact "Sustainability and Service-Learning" Project** 2012 - 2013

One of 6 faculty members selected to assist other faculty in the region merge sustainability learning objectives with service-learning pedagogies. Provided support for the Sustainability and Service-Learning Institute and published a [model course activity](#) on the Science Education Resource Center web site. Project co-sponsored by Washington Campus Compact and the Curriculum for the Bioregion Initiative.

**Member - Sustainability Learning Outcomes Working Group** 2012 - 2013

One of 5 faculty members selected to address the linkage between workforce needs, learning outcomes and assessments related to sustainability education. Sponsored by the InTeGrate project and the Science Education Resource Center of Carleton College.

**Member - Curriculum for the Bioregion Sustainability 101 Courses Faculty Learning Community** 2011 - 2012

One of 18 faculty members in the region selected to evaluate, develop, and publish models for introductory sustainability courses.

**Project Director - Investigation of Nitrate Concentrations in the Mileta Creek Watershed of Maury Island** 2011 –2012

Project director of water quality monitoring study conducted by UWB students on behalf of King County.

**Project Director - Collaborative Undergraduate Research Project Grant** 2011 – 2012

Project director on \$2,920 Collaborative Undergraduate Research Project Grant: Assessing the Effectiveness of the Town of Coupeville’s Stormwater Phytoremediation System.

**Project Director - Water Quality Monitoring of the North Restoration Area of the Brightwater Sewage Treatment Facility** 2010 –2011

**Regional Faculty Fellow - Northwest Sustainability Initiative** 2010 – 2011

One of eight faculty members in the region selected to advance the application of service learning in STEM courses. Initiative funded by a Learn and Serve America grant awarded to the Washington Campus Compact and the Oregon Campus Compact.

**Principle Investigator - Investigation of Water Quality in Penn Cove and Coupeville Runoff** 2010 - 2011

Lead principal investigator on \$5,049 grant from the Island County Marine Resources Committee.

- Member - Curriculum for the Bioregion Geoscience Learning Community** 2010 - 2011  
 One of 26 faculty members in the region selected to develop and publish curricular ideas related to sustainability for use in introductory and general education courses in earth sciences. Honorarium, meetings, etc. funded by a grant to the Washington Center from the U.S. Department of Education's Fund for the Improvement of Post-Secondary Education.
- Co-Principal Investigator - Nitrate Concentrations in Puget Sound on the Tribal Journey Route** 2010  
 Co-Principal investigator on 2-day research cruise in South Puget Sound supported by the U.S. Geological Survey.
- Faculty Fellow - Initiative for Community-Based Learning and Scholarship** 2009 - 2010  
 University of Washington Bothell
- Principal Investigator - Stream Nitrate Concentrations in the Southern Hood Canal Watershed and their relationship to Geology** 2009 - 2010  
 Principal investigator on research supported by the WA State Department of Natural Resources.
- Team Leader - Sustainability Across the Curriculum Institute Award** 2008 - 2009  
 Proposal author and Team Leader for participation in Sustainability Across the Curriculum Institute hosted by the Washington Center. Awarded \$4,500 seed grant for use in planning and conducting sustainability initiatives at UWB (a.k.a., Growing Sustainability at UWB).
- Project Director - Collaborative Undergraduate Research Project Grants** 2007 - 2008  
 Project Director on two consecutive University of Washington Bothell Collaborative Undergraduate Research Project grants to study local runoff water quality. \$2,000 per year.
- Principal Investigator - Impact of Mosquito Spraying on Salt Marsh Biota** 2004 - 2005  
 Lead Principal Investigator with Christopher Gobler on \$26,000 subcontract to SUNY Stony Brook portion of a larger study (*Assessment of the Potential Effects of Mosquito Spraying on Local Organisms – Caging Study – Saltwater Assessment*) for the Suffolk County Vector Control and Wetlands Management Long Term Plan and Generic Environmental Impact Statement.
- Co-Principal Investigator - Physical, Sedimentary, and Hydrologic Impacts of Barrier Island Breach Events on Long Island Estuaries** 2004 - 2005  
 Co-Principal Investigator with Joseph Warren on \$50,000 grant awarded by N.Y. Sea Grant.
- Project Director - Southampton College Initiative to Improve Peconic Estuary Water Quality** 2004 - 2005  
 Project Director on a \$2000 Peconic Estuary Program grant.
- Host Scientist - Hamptons Airborne Laser Terrain Mapping Project** 2002  
 Research collaboration between Southampton College, Florida International University, and The Eastern Long Island Coastal Conservation Alliance.
- Principal Investigator - Environmental Monitoring and Assessment of Trout Pond and Associated Surface and Ground Waters Down-gradient of the Golf at the Bridge Development, Town of Southampton, NY** 2001 - 2003  
 Principal Investigator on \$6,441 grant awarded by the Town of Southampton Board of Trustees.

**Co-Principal Investigator - Morphodynamic Investigation of Beachrock Impacts on Littoral Zone Processes and Coastal Evolution** 1996 - 1998

Proposal author and Co-Principal Investigator with John T. Wells on \$74,193 grant awarded by the National Science Foundation. Dissertation project at University of North Carolina Chapel Hill.

**Rapid Cementation of Coastal Sand Deposits: Causes and Impacts on Coastal Evolution** 1995

Principal Investigator on \$4,435 grant awarded by the PADI Foundation.

## **SCHOLARLY OUTPUT**

### **Peer Reviewed Articles**

- Sen, K, Shepherd, V, Berglund, T, Quintana, A, Puim, S, Tadmori, R, Turner, R, Khalil, L and Soares, M 2020. American Crows as Carriers of Extra Intestinal Pathogenic *E. coli* and Avian Pathogenic-Like *E. coli* and Their Potential Impact on a Constructed Wetland. *Microorganisms*, 8(10). <https://www.mdpi.com/2076-2607/8/10/1595>
- Sen, K, Berglund, T, Soares, MA, Taheri, B, Ma, Y, Khalil, LN, Lu, J, Turner, R, 2019. Antibiotic Resistance of *E. coli* Isolated from a Constructed Wetland Dominated by a Crow Roost, with Emphasis on ESBL and AmpC Containing *E. coli*.. *Frontiers in Microbiology*, 10:1034. <https://doi.org/10.3389/fmicb.2019.01034>
- Turner, RJ, 2018. [Beachrock](#), in Finkl, C and Makowski, C, eds., Encyclopedia of Coastal Science, 2<sup>nd</sup> ed. Springer Nature, Switzerland.
- Roberts, MR, No, DB, Marzluff, JM, Delap, JH and Turner, R, 2016. Vancomycin Resistant *Enterococcus* spp. from Crows and their Environment in Metropolitan Washington State, USA: Is There a Correlation between VRE positive Crows and the Environment? *Veterinary Microbiology*, 194: 48-54.
- Turner, RJ, 2005. Beachrock, in Schwartz, ML, ed., Encyclopedia of Coastal Science. Kluwer Academic Publishers, The Netherlands.
- Turner, RJ, 1990. The Effects of a Mid-foreshore Groundwater Effluent Zone on Tidal-cycle Sediment Distribution in Puget Sound, Washington. *Jour. of Coastal Research*, v. 6(3), p. 597-610.

### **Posters, Technical Reports, and Other Papers Not Peer Reviewed**

- Sen, K, Berglund, T, Soares, M, Khalil, L, Ma, Y, and Turner, R, 2018. Antibiotic Resistant *E. coli*, Including ESBL Containing Strains, from a Wetland Dominated by Crows. Poster presented at the 2018 American Society for Microbiology conference. Atlanta, GA.
- Maloney, K, Jackson, D, Conejo Morales, S, and Turner, R, 2016. Investigating the Ability of Mushroom Mycelium to Reduce Fecal Coliform Bacteria Contamination in Surface Water. [Poster](#) for the 2016 Annual Meeting of the Washington Lakes Protection Association. Bellingham, WA.
- Sen, K, Ton, J, Alemida, M, Guimaraes, T, Van Valkenburg, P, and Turner, R, 2015. Contribution of Human Commensal American Crows of Microbial Pathogens to Surface Water. Poster for the 2015 Water Quality Technology Conference of the American Water Works Association. Salt Lake City, UT.
- Turner, R, 2011. Summary of UWB Student Nitrate Sampling in the Mileta Creek Watershed. Submitted to King County Groundwater Protection Program.

- Turner, R, 2010. Water Quality Results of the 2010 BES 303 Investigation of the T-Mobile Contamination Site. Submitted to The City of Bothell and T-Mobile, Inc. 2p.
- Turner, R, 2010. Results of the 2010 BES 303 Study of Soil Characteristics at 21 Acres. Submitted to 21 Acres. 2p.
- Turner, R, Cherrier, C, Piekarski, E, and Christy, S, 2008. Assessment of the Quality of Groundwater Discharging from the University of Washington Bothell Stormwater System. Report submitted to the UWB Teaching and Learning Center, 20p.
- McElroy, A, Gobler, C, Turner, R, 2005. Assessment of the Potential Effects of Mosquito Spraying on Local Organisms – Caging Study – Saltwater Assessment. Final report submitted for inclusion in Suffolk County Vector Control and Wetlands Management Long Term Plan and Generic Environmental Impact Statement.
- Turner, RJ, 2005. Final Report – Southampton College Initiative to Improve Peconic Estuary Water Quality. Report submitted to the Peconic Estuary Program, 12p + attachments.
- Warren, J and Turner, RJ, 2005. R/CCP-10: Physical, Sedimentary, and Hydrologic Impacts of Barrier Island Breach Events on Long Island Estuaries. NY Sea Grant Completion Report, 23p + appendices.
- Warren, J and Turner, RJ, 2004. R/CCP-10: Physical, Sedimentary, and Hydrologic Impacts of Barrier Island Breach Events on Long Island Estuaries. NY Sea Grant Progress Report, 6p + slideshow.
- Turner, RJ, 2003. Bathymetric Map of Quantuck Bay. Report submitted to the Town of Southampton Board of Trustees, 5 p + map.
- Turner, RJ, 2001. Geomorphology, *in* Schaffner, I and Feldman, M, eds., About the Bayberry Bush. The Parrish Art Museum, Southampton, NY, 116p.
- Turner, RJ, 1999. Morphodynamic Relationship Between Beachrock Exposure and Littoral Zone Processes on the West Coast of Puerto Rico. Dissertation, University of North Carolina at Chapel Hill, 400p.
- Turner, RJ, 1993. 15A NCAC 2C .0200 – Well Construction Standards Applicable to Injection Wells. North Carolina Dept. of Environment, Health, and Natural Resources, 5 p.
- Turner, RJ, 1993. Best Management Practices for the Collection, Storage and Disposal of Automobile Service Station Wastes. North Carolina Dept. of Environment, Health, and Natural Resources, 32 p.
- Turner, RJ and Walton, RO, 1993. Delineation of Hydrologic Capture Zones and Injection Well/Pollution Source Inventory Around Shallow Public Water Supply Wells on Hatteras Island, North Carolina. Report submitted to U.S. Environmental Protection Agency, 19 p.

## **Online Teaching Modules, Activities and Web Sites**

- Turner, R, 2021. Bibliography of Literature Relevant to Our Future Sustainability. University of Washington Bothell web site. <http://faculty.washington.edu/rturner1/Sustainability/Bibliography/Index.htm>
- Turner, R, Wertz, S, Biting, K and Romulo, C, 2021. Fostering Sustainability Out of a Pandemic: Pathways for Higher Education to Create a More Resilient Institution and Society. Web site of resources associated with a session at the Annual Meeting of the American Association of Colleges and Universities. [http://faculty.washington.edu/rturner1/Sustainability/Bibliography/AAC&U\\_Session\\_Resources.htm](http://faculty.washington.edu/rturner1/Sustainability/Bibliography/AAC&U_Session_Resources.htm)
- Turner, R, Sinton, C, Davi, N and Plake, T, 2017. Water, Agriculture, and Sustainability Teaching Module, *in* the InTeGrate Teaching Materials. Science Education Research Center at Carleton College. [https://serc.carleton.edu/integrate/teaching\\_materials/water\\_sustainability/index.html](https://serc.carleton.edu/integrate/teaching_materials/water_sustainability/index.html)

- Turner, R, 2013. Mapping Stormwater Runoff Infrastructure for the City of Bothell. Activity on the Washington Center Curriculum for the Bioregion Geoscience Learning Community. Science Education Research Center at Carleton College. <http://serc.carleton.edu/bioregion/examples/68954.html>
- Turner, R, 2012. Using Debates to Engage Students in Sustainability Controversies and Conundrums. Activity on the Washington Center Curriculum for the Bioregion Geoscience Learning Community. Science Education Research Center at Carleton College. <http://serc.carleton.edu/bioregion/examples/62205.html>.
- Turner, R, 2012. Quantifying Greenhouse Gas Emissions at the County Level: A Collaborative Term Project to Enhance Understanding of Climate Modeling and Quantitative Reasoning. Activity on the Washington Center Curriculum for the Bioregion Geoscience Learning Community. Science Education Research Center at Carleton College. <http://serc.carleton.edu/bioregion/examples/51308.html>
- Turner, R, 2012. The University of Washington Bothell Programs Relevant to Geoscience and Sustainability, *in* Programs that Bring Together Geoscience and Sustainability. InTeGrate and the Science Education Research Center at Carleton College. <https://serc.carleton.edu/integrate/workshops/programs2012/essays/turner.html>
- Turner, R, 2011. Big Ideas, Learning Outcomes, Skills, and References Relevant to a Sustainability Course or Curriculum. Web site. 19 pages. [http://faculty.washington.edu/rturner1/Sustainability/Big\\_Ideas01.htm](http://faculty.washington.edu/rturner1/Sustainability/Big_Ideas01.htm)
- Turner, R, 2011. Water and Sustainability. Course Overview published by the Washington Center Curriculum for the Bioregion. Science Education Research Center at Carleton College. <https://serc.carleton.edu/bioregion/courses/54914.html>

## **Abstracts, Presentations, and Workshops**

- Romulo, C, Biting, K, Turner, R and Wertz, S, 2021. Fostering Sustainable Institutions: Engaging Our Universities in the Movement for Change. Round Table Discussion, Earth Educators Rendezvous 2021. [https://serc.carleton.edu/earth\\_rendezvous/2021/program/roundtable/r4.html](https://serc.carleton.edu/earth_rendezvous/2021/program/roundtable/r4.html)
- Biting, K, Romulo, C, Turner, R and Wertz, S, 2021. Fostering Institutional Sustainability Out of the Pandemic: The Role of Teaching Centers and Faculty Developers. Webinar for the Earth-Centered Special Interest Group, The Professional and Organizational Development (POD) Network in Higher Education. [https://kaltura.elon.edu/media/Fostering+Institutional+Sustainability+Out+of+the+PandemicA+The+Role+of+Teaching+Centers+and+Faculty+Developers/1\\_vynlb621?ed=1560](https://kaltura.elon.edu/media/Fostering+Institutional+Sustainability+Out+of+the+PandemicA+The+Role+of+Teaching+Centers+and+Faculty+Developers/1_vynlb621?ed=1560)
- Wertz, S, Biting, K, Romulo, C and Turner, R, 2021. Fostering Sustainability Out of a Pandemic: Pathways for Higher Education to Create a More Resilient Institution and Society. Annual Meeting of the American Association of Colleges and Universities. [http://faculty.washington.edu/rturner1/Sustainability/Bibliography/AAC&U\\_Session\\_Resources.htm](http://faculty.washington.edu/rturner1/Sustainability/Bibliography/AAC&U_Session_Resources.htm)
- Turner, R, Berger, D, Foote, R, Kurian, A, Lee, J, Lerum, K, Stokes, D, Vinyard, D, Cram, S, Pederson, A and Price, R, 2020. The Pedagogies & Syllabification of Student Engagement and Participation. Interdisciplinary Arts and Sciences Workshop, University of Washington Bothell.
- Turner, R, Atkinson, J, and Groom, M, 2019. From Progressive Paradise to Dystopian Persistence: How Are We Discussing the Goalposts of Sustainability with Our Students and Peers? Session at the 2019 Washington and Oregon Higher Education Sustainability Conference, University of Washington, Seattle.
- Sen, K, Berglund, T, Soares, MA, Taheri, B, Ma, Y, Khalil, LN, Lu, J, Mayer, R, Turner, R, 2019. Use of the Fungus *Stropharia rugosoannulata* in Mycoremediation of Wetland Water Contaminated by Crow Feces. Abstract submitted to the 2019 American Society for Microbiology conference. San Francisco, CA.
- Sen, K, Berglund, T, Soares, MA, Khalil, LN, Ma, Y, Turner, R, 2018. Antibiotic Resistant *E. coli*, Including ESBL Containing Strains, from a Wetland Dominated by Crows. Abstract presented at the 2018 American Society for Microbiology conference. Atlanta, GA.

- Berglund, T, Sen, K, Almeida Soares, M, Turner, R, 2017. Antibiotic Resistance of *E. coli* Isolated from a Constructed Wetland Dominated by a Crow Roost. Abstract presented at the 2017 Water Quality Technology Conference & Exposition. Portland, OR.
- Turner, R, Loch, A and Adman, E, 2017. The Story of Our Water. UW Bothell Campus Research Connections talk, City of Bothell, WA
- Turner, R, 2017. The Flint Water Crisis and Lessons for Puget Sound. 6<sup>th</sup> Annual North Puget Sound Conference on Race, Communities of Color Coalition. Everett Community College, Everett, WA
- Turner, R, Lambacher, J and MacGregor, J, 2017. How do We Address the Political Ecology of Education for Sustainability? Session at the 2017 Washington Higher Education Sustainability Conference, Gonzaga University, Spokane.
- Turner, R, 2016. The Hydrologic Value of Trees. City of Lake Forest Park Council Meeting. Lake Forest Park, WA.
- Turner, R, Koontz, T and Begley, N, 2016. Pedagogy for Change: Effects of Sustainability Engagement on Student Attitudes, Values and Beliefs. Just Sustainability Conference, Seattle University.
- Roberts, M, No, D, Marzluff, J and Turner, R, 2015. Vancomycin-Resistant Enterococci in North American Crows and their Environment in a Metropolitan Area. Presentation at the 6th Symposium on Antimicrobial Resistance in Animals and the Environment. Tours Val de Loire, France.
- Sen, K, Ton, T, Almeida, M, Guimares, T, Van Valkenburg, P and Turner, R, 2015. Contribution of Human Commensal American Crow of Microbial Pathogens to Surface Water. Poster for the 2015 Water Quality Technology Conference & Exposition. Salt Lake City, Utah.
- Turner, R, 2015. Input on Developing a Water Science and Management Curriculum at UW Bothell. American Public Works Association Stormwater Managers Committee, Federal Way, WA.
- Turner, R, 2014. Fecal Coliform and Nutrient Dynamics in North Creek, the Wetland and the Campus Runoff. Research in Progress Series, University of Washington Bothell.
- Turner, R, 2014. The Purposes and Pedagogies of Engaging Students in the Controversies of Sustainability. Presented in the Interdisciplinary Pedagogies of Sustainability workshop of the Washington Higher Education Sustainability Conference, Bellingham, WA.
- Turner, R, 2012. Engaging Students in Environmental Monitoring. Discussion leader at the Sustainability and Service-Learning Faculty Institute. Washington Campus Compact Network Meeting. Seattle, WA.
- Turner, R, Cole, R, Fackler-Adams, B, MacGregor, J, Remington, S, 2012. Designing Introductory Courses in Sustainability for Undergraduate Learners. Coordinator of a 4 hour workshop at the 2012 Annual Conference of the Association for Advancement of Sustainability in Higher Education. Los Angeles, CA.
- Turner, R, Cole, R, Fackler-Adams, B, MacGregor, J, Remington, S, Rivera, R, Sherman, D, Svendsen, C and Whitman, J, 2012. Developing Models for Sustainability 101: Eighteen Faculty Members Collaborate on a New Foundation for Sustainability Teaching and Learning. 1.5 hour workshop at the Eighth International Conference on Environmental, Cultural, Economic and Social Sustainability. Vancouver, BC.
- Murphy, T, Fergusson-Kolmes, LA, Flynn, C, Hoynacki, D, Pasilis, S, Phung, TM, Polozov, SA, Turner, RJ, and Broker, L, 2011. Integrating Service-Learning into STEM Disciplines. 3.5 hour pre-conference session at the 14<sup>th</sup> Annual Continuums of Service Conference. San Diego, CA.
- Turner, R, 2011. Applications of 3-D High Resolution Measurements of Nitrate Concentrations In and Around Puget Sound. University of Washington Bothell Research in Progress Seminar Series. Bothell, WA.

- Turner, R and Warner, S, 2011. Active Learning Pedagogy Workshop. Interdisciplinary Arts and Science Project for Interdisciplinary Pedagogy Workshop Series. Bothell, WA.
- Turner, R, and Schubert, M, 2010. Penn Cove Research: Summary of Data Collected 2009-2010. Presentation to the Island County Marine Resources Committee. Coupeville, WA.
- Turner, R, 2010. Low Impact Development and Runoff Pollution in the Puget Sound Region. People for Puget Sound Education Series: Advocates for Puget Sound. REI Flagship Store, Seattle, WA.
- Turner, R, 2009. The Counties of Your State Climate Change Comparison Mapping Project. Abstract presented at the National Numeracy Network Annual Conference, Bothell, WA.
- Turner, R, McElroy, A, Gobler, C, Brownawell, B, Barnes, R, Terriciano, S, and Gibbins, B, 2006. Investigations of the Acute Effects of Mosquito Spraying on Water Quality, Fish, and Shrimp in the Salt Marshes Suffolk County, NY. Abstract presented at the American Chemical Society 10<sup>th</sup> Annual Frances Sterrett Environmental Chemistry Symposium, Hofstra University.
- McElroy, A, Gobler, C, Turner, R, Barnes, R, and Gibbins, B, 2005. A Caging Study to Evaluate Acute Effects of Aerial Application of Scourge® and Altosid® on Salt Marsh Organisms. Abstract presented at the 2005 Annual Meeting of the American Mosquito Control Association, Charlotte, NC.
- Warren, J and Turner, RJ, 2005. R/CCP-10: Physical, Sedimentary, and Hydrologic Impacts of Barrier Island Breach Events on Long Island Estuaries. NY Sea Grant Completion Report. CW Post, Long Island Univ.
- Turner, R, 2000. [Investigations on Ridge and Runnel Topography and its Influence on Beach Morphodynamics](#), in Hanson, G, ed., 7th Conference on Geology of Long Island and Metropolitan NY.
- Turner, R, 1999. The Evolution of Beachrock Morphology and its Influence on Beach Morphodynamics, in Fletcher, CH and Matthews, JV, eds., The Non-steady State of the Inner Shelf and Shoreline: Coastal Change on the Time Scale of Decades to Millenia in the Late Quaternary. Abstr. with Prog., IGCP Project #437 "Coastal Environmental Change During Sea Level Highstands," Univ. of Hawaii, Honolulu, 249p.
- Turner, R, 1997. The Legacy of Beachrock Exposure: Intensified Longshore Transport and Beaches Out of Synchrony with the Wave Regime. EOS, Trans., Amer. Geophys. Union, Fall Meeting Suppl., 78: F352.
- Turner, R, 1996. Warm Beaches Turn to Stone: Are Human Wastes Speeding the Process? Abstract in 1996 Graduate Student Mini-Symposium Proceedings, Duke Univ. Marine Lab., p. 7.
- Turner, R, 1995. Bacteria & Algae-mediated Precipitation of Calcium Carbonate in Puerto Rico Sand & Seawater Suggests that Nutrient-rich Ground Water Discharges Enhance Coastal Sand Cementation. Geological Society of America, Abstracts with Programs, 27(6): A-346.

## **Professional Reviews**

- Turner, R, 2017. Peer review of draft journal article: Cole, JR and Rosen, P, 2017. The Campus Wells Program: Preserving and Re-tasking Monitoring Wells from Campus Construction for Educational Purposes. Case Studies in the Environment.
- Turner, R, 2007. National Sea Grant Proposal Evaluation of: Martinez-Colon, M, 2007. Pollutants and Foraminiferal Assemblages in Jobos Bay and Torrecilla Lagoon: An Environmental Micropaleontological Approach.
- Turner, R, 2007. National Sea Grant Proposal Evaluation of: Pyrtle, A, 2007. Assessing Effects of Land use on Estuaries in Puerto Rico: An Integrative Approach.
- Turner, R, 2003. Peer review of draft journal article: Rey, d, Rubio, B, Bernabeu, A, and Vilas, F, 2003. Formation, Exposure and Evolution of a Beachrock in the Intertidal Zone of the Corrubedo Complex (Ria of Arousa). Journal of Sedimentary Geology.

## WORKSHOP AND CONFERENCE PARTICIPATION

Earth Educators Rendezvous, National Association of Geoscience Teachers. Online roundtable.	2021
Earth-Centered Special Interest Group, The Professional and Organizational Development (POD) Network in Higher Education. Online webinar.	2021
Annual Meeting of the American Association of Colleges and Universities. Online session.	2021
Earth Education for Sustainable Societies. Workshop. Carleton College, Northfield, MN	2019
Washington & Oregon Higher Education Sustainability Conference. Session. UW, Seattle, WA	2019
Portland State University Community Engagement Workshop. Workshop sponsored by the UWB Community Engagement Council and Portland State Univ. Portland, OR	2019
Community Based Learning and Research in IAS. Workshop co-facilitated with Kristin Gustafson, IAS Fall Faculty Retreat, Brightwater Center, Woodinville, WA	2017
6 <sup>th</sup> Annual North Puget Sound Conference on Race. Everett Community College, Everett, WA	2017
Washington Higher Education Sustainability Conference. Gonzaga University, Spokane, WA	2017
Washington Lakes Protection Association Annual Meeting. Bellingham, WA	2016
Just Sustainability Conference. Seattle University, Seattle, WA	2016
Curriculum for the Bioregion Fostering an Ethic of Place Conference. Tacoma WA	2015
American Public Works Association Stormwater Managers Committee. Federal Way, WA	2015
Washington Higher Education Sustainability Conference. Bellingham, WA	2014
InTeGrate Teaching Module Development workshop. Carleton College, Minnesota.	2013
Integrated Water Management and Curriculum Development Workshop, King County, Seattle, WA	2012
Sustainability and Service-Learning Faculty Institute Washington Campus Compact Network Meeting. Seattle, WA	2012
2012 Annual Meeting of the Annual Conference of the Association for Advancement of Sustainability in Higher Education. Los Angeles, CA	2012
InTeGrate workshop on Programs that Bring Together Geoscience and Sustainability. Stanford Univ.	2012
Eighth International Conference on Environmental, Cultural, Economic and Social Sustainability. Vancouver, BC (workshop coordinator)	2012
Pre-conference session at the 14 <sup>th</sup> Annual Continuums of Service Conference. San Diego, CA	2011
Sustainability 101 Courses Faculty Learning Community Workshop, The Washington Center. Tacoma, WA	2011
Curriculum for the Bioregion Strengthening Sustainability-Across-the-Curriculum Workshop, The Washington Center. Tacoma, WA	2011
Sustainability 101 Courses Faculty Learning Community Workshop, The Washington Center. Bothell, WA	2011
Sustainability 101 Courses Faculty Learning Community Workshop, The Washington Center. Seattle, WA	2011
The Role of Academia in the Environmental Monitoring Community. Academic Roundtable Discussion, The 27 <sup>th</sup> Annual National Environmental Monitoring Conference. Bellevue, WA	2011
Geoscience Faculty Learning Community Workshop, The Washington Center. Bothell, WA	2011
Geoscience Faculty Learning Community Workshop, The Washington Center. Eatonville, WA	2010
Regional Faculty Fellows Retreat, Northwest Sustainability Initiative, WA Campus Compact. Clinton, WA	2010
Project for Interdisciplinary Pedagogy Workshop, Interdisciplinary Arts and Sciences, UW Bothell Bothell, WA	2010
Recreating Place: Between Environmental Arts and Environmental Science, Site Visit Workshop of the Imagining America Conference. Bothell, WA (Coordinator)	2010
Learning What Sustains Us Seminar, Imagining America Conference. Seattle, WA	2010
Faculty Fellows Retreat, UW Bothell Initiative for Community Based Learning. Bothell, WA.	2010
What is Sustainability Symposium, Growing Sustainability at UWB. Bothell, WA. (Coordinator)	2009
Curriculum for the Bioregion Works in Progress, The Washington Center. Tacoma, WA	2009

UWB/CCC Library Sustainability Research Workshop, Growing Sustainability at UWB. Bothell, WA. (Coordinator)	<b>2009</b>
The 95 <sup>th</sup> Annual Meeting of the Association of American Colleges and Universities. Seattle, WA	<b>2009</b>
Sustainability: Place, Responsibilities, and the Curriculum, AAC&U Symposium. Seattle, WA	<b>2009</b>
Sustainability Across the Curriculum Summer Institute, The Washington Center. Tacoma, WA	<b>2008</b>
University of Washington Bothell Community Partnership Fair. Bothell, WA	<b>2008</b>
University of Washington Bothell CUSP Summer Workshop. Edmonds, WA	<b>2007</b>
Geological Society of America, Cordilleran Section Meeting. Bellingham, WA	<b>2007</b>
Building Bioregional Literacy, The Washington Center. Tacoma, WA	<b>2007</b>
Teaching for a Sustainable Future, The Washington Center. Tacoma, WA	<b>2006</b>
10 <sup>th</sup> Frances Sterrett Environmental Chemistry Symposium, Hofstra University, Hempstead, NY	<b>2006</b>
4 <sup>th</sup> National Conference on Science, Policy and the Environment: Water for a Sustainable and Secure Future, National Council for Science and the Environment. Washington, DC	<b>2004</b>
1 <sup>st</sup> Annual Environmental Community Conference, Southampton College. Southampton, NY	<b>2002</b>
Community, Culture, and Environmental Training Workshop, USEPA, Bridgehampton, NY	<b>2002</b>
Soft Solutions for Hard Choices: Exploring Non-structural Storm Damage Reduction Options for Suffolk County's South Shore, The Nature Conservancy. Smithtown, NY	<b>2000</b>
Coastal Change - Future Directions and New Ideas, University of Hawaii. Honolulu, HI	<b>1999</b>
Nearshore Research Workshop, U.S. Geological Survey. St. Petersburg, FL	<b>1998</b>

## **PROFESSIONAL DEVELOPMENT**

Learning Community participant - Developing a Cross-Campus Minor in Climate Change Studies (UWB Teaching and Learning Center)	<b>2021 - 2022</b>
Learning Community participant – Equity and Inclusion in Environmental and Climate Education (UWB Teaching and Learning Center)	<b>2020 - 2021</b>
Learning Community Facilitator - Promoting the Curricular Integration of Climate Change Topics at UWB (UWB Teaching and Learning Center)	<b>2019 - 2020</b>
Learning Community participant – UWB Field Teaching (UWB Teaching and Learning Center)	<b>2018 - 2019</b>
Learning Community participant – Developing a UWB Model for Cross-Disciplinary Project Based Courses (UWB Teaching and Learning Center)	<b>2017 - 2018</b>
Learning Community participant – Interdisciplinary Inquiry (UWB Teaching and Learning Center)	<b>2017 - 2018</b>
Hybrid Course Development Institute participant (10 week course - UW Bothell)	<b>2011</b>
Initiative for Community-Based Learning and Scholarship (Faculty Fellow - UW Bothell)	<b>2009 - 2010</b>
Research Circle Participant (UW Bothell Interdisciplinary Arts & Sciences Program)	<b>2006 - 2007, 2008 - 2009</b>
Puget Sound Summer Course, The Washington Center. Various locations, WA.	<b>2009</b>
New Faculty Research Support (UWB Office of Research Support)	<b>2007</b>
Performance and Pedagogy (10 hour course – UW Simpson Center for the Humanities )	<b>2007</b>
Using an Audience Response System to Discuss Controversial Topics (UWB Teaching & Learning Center)	<b>2007</b>
Faculty Fellows Program (40 hour course – UW Teaching Academy)	<b>2006</b>
American Academy of Underwater Sciences (AAUS) scientific diving certification	<b>1995 - 1998</b>
College Teaching (graduate level course at University of North Carolina Chapel Hill)	<b>1998</b>
National Association of Underwater Instructors (NAUI) Open Water I SCUBA certification	<b>1994</b>
Ground Water Hydrogeology (40 hour course - N.C. Division of Environmental Management)	<b>1992</b>
Basic Ground Water Modeling (24 hour course - National Ground Water Association)	<b>1991</b>
Hazardous Materials Incident Response Operations (40 hour course - U.S. EPA)	<b>1989</b>
CERCLA/SARA Environmental Review (24 hour course - U.S. Environmental Protection Agency)	<b>1989</b>

## **CRUISE EXPERIENCE**

R/V Meteor (piston coring of deep sea sediments on Puerto Rico to Bermuda leg)	<b>1996</b>
R/V La Gaviota (Chief Scientist on reef coring expedition on NW coast of Puerto)	<b>1995</b>
R/V Cape Hatteras (piston coring on continental slope off the Carolinas)	<b>1993</b>

## **TEACHING EXPERIENCE**

### **Senior Lecturer of Environmental Science**

Interdisciplinary Arts and Sciences Program, University of Washington Bothell

Water and Sustainability	<b>F 2006 - 2012 &amp; 2015, W 2020, S 2013 - 2020</b>
Environmental Monitoring Practicum	<b>F 2009 - 2018, W 2009, 2016, 2020 &amp; 2021, S 2014 - 2018</b>
Hydrogeology	<b>W 2010 - 2021</b>
Introduction to Sustainability	<b>F 2019 - 2021</b>
Environmental Systems Thinking	<b>F 2019 - 2021</b>
Natural Hazards and Human Disasters	<b>W 2007, 2008, 2014, 2017, 2018, S 2019, 2020, Summer 2008</b>
Principles and Controversies of Sustainability	<b>F 2013 - 2017, W 2013 &amp; 2019</b>
Interdisciplinary Inquiry	<b>F 2012 &amp; 2018, W 2008, 2009 &amp; 2011, S 2007</b>
Water Quality	<b>W 2015, S 2011, 2012 &amp; 2016</b>
Independent Fieldwork – Environmental Education in the Homewaters Program	<b>each quarter 2012 - 2014</b>
Geomorphology	<b>S 2012 - 2014</b>
Estuaries in Trouble	<b>Summer 2011 - 2013</b>
Environmental Geography: Maps and Climatology	<b>W 2009, 2010 &amp; 2012</b>
Senior Seminar:	<b>S 2010</b>
Interdisciplinary Forum	<b>F 2008, W 2009, S 2009 &amp; 2010</b>
Discovery Core III: Environmental Science Practicum + Portfolio Assessment	<b>S 2007 &amp; 2008</b>
Introduction to Environmental Issues (co-taught with David Stokes)	<b>F 2007</b>
Special Topics: Estuaries and Coastlines	<b>Summer 2007</b>

### **Assistant Professor of Geology**

Department of Earth and Environmental Science, CW Post Campus of Long Island University

Ground Water Geology (graduate level)	<b>S 2006</b>
Earth Science II (w/ lab)	<b>F 2005, S 2006</b>
Earth Science I	<b>F 2005</b>

### **Assistant Professor of Environmental and Marine Sciences**

Division of Natural Science, Southampton College of Long Island University

Environmental Geology (w/ lab)	<b>F 1999, S 2001 – 2005</b>
Introduction to Environmental Science	<b>F 2000 – 2004, S 2001 &amp; 2005</b>
Environmental Chemistry Laboratory	<b>S 2000 – 2005</b>
Introduction to Interdisciplinary Studies (coordinator and instructor)	<b>F 2004</b>
Estuaries and Coastal Ecosystems (w/ lab) (coordinator)	<b>F 2003 &amp; 2004</b>
Current Topics in Environmental Science	<b>S 2001, 2002 &amp; 2004</b>
Hydrology (w/ lab)	<b>F 1999 – 2003</b>
Coastal Processes (w/ lab)	<b>F 2000, Summer 2002 &amp; 2003</b>
College 101	<b>F 2001 &amp; 2002</b>
AustraLearn: Tropical Marine Ecology (travel course in Queensland)	<b>Summer 2002</b>
Oceanography (for Southampton College Center for Creative Retirement)	<b>F 2001 &amp; S 2002</b>
The Oceans (w/ lab)	<b>S 2000</b>

**Instructor**

Department of Marine Sciences, University of North Carolina at Chapel Hill  
 Oceanography

**Summer 1998 & 1999****Laboratory Instructor**

Department of Geology, University of North Carolina at Chapel Hill  
 Introductory Geology

**S 1999**

Department of Geology, Western Washington University  
 Physical Geology

**Summer 1987****Teaching Assistant**

Department of Marine Sciences, University of North Carolina at Chapel Hill  
 Marine Environments  
 Chemical Oceanography  
 Oceanography

**F 1993, S 1994, F 1994, 1997 & 1998****S 1995****S 1993**

Department of Geology, Western Washington University  
 Earth Science Summer Workshop for Secondary Teachers

**Summer 1986 & 1987****COMMUNITY SERVICE**

Member, Steering Committee of the Curriculum for the Bioregion	<b>2015 - 2019</b>
Member, Cascadia College Sustainable Practices Advisory Committee	<b>2014 - 2019</b>
Leader, Cub Scout Pack 76 Service Project Day at University of Washington Bothell	<b>July 2018</b>
Invited Speaker, 6 <sup>th</sup> Annual North Puget Sound Conference on Race. Communities of Color Coalition, Everett	<b>September 2017</b>
Panelist, The Hydrologic Value of Trees, Lake Forest Park City Council Meeting	<b>November 2016</b>
Member, Parent Council of Cub Scout Pack 76	<b>2014 - 2016</b>
Member, Integrated Water Management Education and Training for Workforce Development Task Force	<b>2014 - 2015</b>
Workshop Instructor, iURBAN Teen Summit	<b>2014</b>
Workshop Instructor, Sally Ride Science Festival	<b>2014</b>
Presenter, City of Bothell Ecotober Event at Brightwater	<b>October 2013</b>
Volunteer, Madrona Elementary School	<b>2012 - 2013</b>
Member, Environmental Task Force, Seattle CityClub	<b>2007 - 2012</b>
Panelist, Faculty Careers Panel at University of Washington, Seattle	<b>April 2007, 2008 &amp; 2012</b>
Instructor, Brightwater Earth Day Event	<b>April 2011</b>
Invited Speaker, People for Puget Sound Education Series, REI, Seattle	<b>October 2010</b>
Guest Speaker, Bothell Cub Scout Troop	<b>November 2006</b>
Guest Speaker, Third House Nature Center, Montauk, NY	<b>July 2004</b>
Guest Speaker, Peconic Landing, Greenport, NY	<b>May 2004</b>
Member, Suffolk County Vector Control Citizen Advisory Committee	<b>2002-2003</b>
Member, Sag Harbor Village Harbor Committee	<b>2002-2003</b>
Guest Speaker, Long Island Mineral and Geological Society	<b>March 2002</b>

## COLLEGE SERVICE

### University of Washington Bothell

Co-Chair, Chancellor's Advisory Committee on Environmental Sustainability	2021 - present
Chair, School of IAS Curriculum Committee	2019 - present
Member, Earth System Science Program, Academic Oversight Committee	2019 - present
Member, Campus Council on Academic Standards and Curriculum	2019 - present
Member, Conservation and Restoration Science Curriculum Area Working Group	2019 - present
Affiliate Member, M.A. in Policy Studies Curriculum Area Working Group	2012 - present
Member, Environmental Studies Curriculum Area Working Group	2007 - present
Member, Promotion Review Committee for Kristin Gustafson	2021
Member, Promotion Review Committee for Julie Masura (UW Tacoma)	2021
Member, Chancellor's Advisory Committee on Environmental Sustainability	2012 - 2021
Member, IAS Strategic Budget and Planning Task Force	2020
Chair, Promotion Review Committee for Amy Lambert	2019
Member, Environmental Science Curriculum Area Working Group	2007 – 2019
Member, The Cascadia College and University of Washington Bothell Campus Design Review Team	2018 - 2019
Member, School of IAS Curriculum Committee	2012 - 2019
Member, STEM/IAS Task Force on Earth Sciences	2015 - 2018
Member, Promotion Review Committee for Raissa DeSmet	2018
Coordinator, Environmental Science Curriculum Area Working Group	2012 - 2017
Nominee, UWB Faculty Mentor Award	2017
Mentor, 2017 UWB Hackathon Series – Garden Innovation Challenge	2017
Teaching Subject, In-Class Review of Use of InTeGrate Teaching Module in a Course	2017
Member, Hiring Committee for Sustainability Coordinator position	2015 - 2016
Member, Hiring Committee for UW Bothell Pest Control Vendor	2016
Interim Advisor, UWB Wetlands	2015
Steering Committee Member, Initiative for Community-Based Learning and Scholarship	2011 - 2015
Member, Environmental Science Position Hiring Committee	2014 - 2015
Coordinator, The Poster Workshop for the Institute for Community Based Learning and Research	2014
Member, Campus Council on Academic Standards and Curriculum	2013 - 2014
Member, UWB 3 Environmental Science Equipment User Group	2013 - 2014
Member, UWB Emergency Preparedness Committee	2012 - 2014
Member, UW Bothell Honors and Ceremonies Committee	2011 - 2013
Member, IAS Program Gray Area Application Files Review Committee	2006 – 2009, 2011 - 2013
Guest Instructor, Rebeca Rivera's DC I course	November 2013
Affiliate Member, M.A. in Cultural Studies Curriculum Area Working Group	2007 - 2012
Panelist, Faculty Careers Panel at University of Washington, Seattle	April 2007, 2008 & 2012
Guest Instructor, David Stokes' BIS 243 course	November 2012
Observer, Jennifer Atkinson's BIS 345 class	May 2012
Observer, Santiago Lopez's BIS 342 class	October 2011
Guest Instructor, David Stokes' BIS 243 course	October 2011
Mentor, IAS Project for Interdisciplinary Pedagogy	2010 - 2011
Advisor, UWB Ping Pong Student Group	2010 - 2011
Contributor, Meetings on Design of UW3	2009 - 2011
Observer, Sally Warner's BIS 293D Class	October 2010
Guest Instructor, David Stokes' BIS 243 course	October 2010
Participant, UWB/CCC Meeting with King County Wastewater Division and Friends of the Hidden River at Brightwater Wastewater Treatment Plant	September 2010
Attendee, UW Bothell Community Partners Luncheon	2010

Guest Instructor, David Stokes' BIS 243 course	<b>November 2009</b>
P.I. for the Growing Sustainability at UWB grant from the Washington Center	<b>2008 - 2009</b>
Author, Draft Proposal (Renovation and Expansion of the Interdisciplinary Environmental Research Laboratories at the University of Washington Bothell) for a National Science Foundation Academic Research Infrastructure Program: Recovery and Investment Grant	<b>Summer 2009</b>
Coordinator of Interdisciplinary Research Forum seminar series	<b>May 2009</b>
Organizer and Moderator, The UWB/CCC Library Sustainability Research Workshop	<b>2008 - 2009</b>
Affiliate Member, Science, Technology and Society Curriculum Area Working Group	<b>January 2009</b>
Advisor, UWB Campus Sustainability Group (student club)	<b>2007 - 2009</b>
	<b>2007 - 2008</b>
Guest Instructor, Bruce Burgett and Ron Krabill's BCULST 500 course	<b>December 2008</b>
Guest Instructor, Martha Groom's BIS 300 course	<b>December 2008</b>
Guest Instructor, David Stokes' BIS 243 course	<b>November 2008</b>
Member, UWB Sustainability Task Force	<b>Fall 2008</b>
Primary Organizer, UW Bothell Campus Sustainability Day	<b>October 2008</b>
Team Leader and Proposal Author, UWB Team Participating in Sustainability Across the Curriculum Institute hosted by the Washington Center at Evergreen State College	<b>2008</b>
Speaker, CUSP Summer Workshop	<b>June 2007 and 2008</b>
Affiliate Member, Science, Technology and the Environment Curriculum Area Working Group	<b>2007 - 2008</b>
Guest Instructor, David Goldstein's BIS 300 course	<b>May 2008</b>
Guest Instructor, Dan Jaffe's BES 311 course	<b>April 2008</b>
Host, Focus the Nation Teach-In: The 2% Solution	<b>January 2008</b>
Participant, Salmon Safe Certification Review of UWB	<b>October 2007</b>
Co-Author, Proposals for B.S. Environmental Science and B.A. Environmental Studies Degree Programs	<b>Summer 2007</b>
Member, Natural Science and Math Disappearing Task Force	<b>2006 - 2007</b>
Member, Staging Collaborations Between Science and Performance Committee	<b>2006 - 2007</b>
Member, Interdisciplinary Research Assessment Committee	<b>2006 - 2007</b>
IAS Representative, UW Environmental Opportunities Fair	<b>October 2006 and 2007</b>
Guest Instructor, Martha Groom's BIS 322 course	<b>April 2007</b>
Guest Instructor, Peter Littig's BIS 300 course	<b>April 2007</b>
IAS Representative, Spotlight on UW Bothell Programs	<b>January 2007</b>
Respondent, Dan Jaffe's Sabbatical Talk	<b>January 2007</b>
Guest Instructor, Michael Goldberg's BCUSP 108 course	<b>October 2006</b>
Guest Instructor, Dan Jaffe's BES 301 course	<b>October 2006</b>

### **CW Post Campus of Long Island University**

Member, Student Affairs-Faculty Partnership Initiative	<b>2006</b>
Advisor, Southampton College Honors Program Students	<b>2005 - 2006</b>

### **Southampton College of Long Island University**

Secretary, Union Executive Committee of the Southampton College Federation of Teachers	<b>2004 - 2005</b>
Coordinator, Environmental Science and Studies Program	<b>2002 - 2005</b>
Co-Director, Honors Program	<b>2001 - 2005</b>
Member, Honors Program Committee	<b>1999 - 2005</b>
Member, Marine Science Committee	<b>1999 - 2005</b>
Acting Director, Division of Natural Science	<b>spring 2004</b>
Member, Environmental Leadership Awards Committee	<b>2002 - 2004</b>
Member, Bayberry Property Committee	<b>2002 - 2004</b>
Member, Greenprint Committee	<b>2000 - 2004</b>
Member, Core Curriculum Committee	<b>2003</b>
Member, Coastal Resource Management Program Committee	<b>1999 - 2000</b>