

General Biographical Information

MICHAEL T. BRETT

Associate Professor of Civil Engineering
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Academic Background

Ph.D.	Institute of Limnology, Uppsala University	1990
M.Sc.	University of Maine	1985
B.Sc.	Humboldt State University	1983

Professional History

Associate Professor, Department of Civil & Environmental Engineering, University of Washington, Seattle, 2001-present.

Assistant Professor, Department of Civil & Environmental Engineering, University of Washington, Seattle, 1997-2001.

Research Associate, Department of Environmental Science & Policy, University of California, Davis, 1994-1997.

Postdoctoral Fellow, Department of Environmental Science & Policy, University of California, Davis, 1991-1994.

Manuscripts and Submitted Journal Articles

Derek, D.L. and M.T. Brett. Nutrient enrichment and periphyton induced pH spikes on the White River, Washington. In preparation to be submitted to *Canadian Journal of Fisheries and Aquatic Science*.

Ballantyne, A.P., M.T. Brett and D.C. Müller-Navarra. Biochemical control of herbivorous zooplankton growth: *Daphnia pulex* responses to natural seston composition. To be submitted to *Oecologia*.

Jensen, L.H., K.W. Marx, M. McCauley, M.R. Mason, and M.T. Brett. The impacts of wastewater loading, seasonal temperature fluctuations, and vegetation on BOD, suspended solids, and nutrient removal in a Pacific Northwest, USA, constructed wetland. To be submitted to *Water Science and Technology*.

Danielsdottir, M., and M.T. Brett. The impact of algal food quality, nutrients and zooplanktivory on planktonic food web interactions. To be submitted to *Oikos*.

Brett, M.T., S.E., Stanley, and G.B. Arhonditsis. A daily time series analysis of stream water phosphorus transport along an urban to forest gradient in the Seattle area. . Submitted to *Environmental Management*.

Brett, M.T., S.E. Stanley, G. Arhonditsis, D.M. Hartley, J.D. Frodge, and D.E. Funke. Non-point source nutrient impacts on stream nutrient and sediment concentrations along a forest to urban gradient. Submitted to *Environmental Management*.

Refereed Journal Publications (36)

Nickel, D.K., M.T. Brett, and A.D. Jassby. 2004. Factors Regulating Shasta Lake (California) Cold Water Accumulation, a Resource for Endangered Salmon Conservation. *Water Resources Research* (in press).

Arhonditsis, G.B., and M.T. Brett. 2004. Evaluation of the current state of mechanistic aquatic biogeochemical modeling. Where are we? *Marine Ecology Progress Series* (in press).

Park, S.-K., M.T. Brett, Müller-Solger, A., and C.R. Goldman. 2004. Climatic forcing and primary productivity in a subalpine lake: interannual variability as a natural experiment. *Limnology and Oceanography* (in press).

Brett, M.T. 2004. When is a correlation between ratios “spurious”? *Oikos* (in press)

Müller-Navarra, D.C., M.T. Brett, S.-K. Park, S. Chandra, A.P. Ballantyne, E. Zorita, and C.R. Goldman. 2004. Unsaturated fatty acid content in seston and tropho-dynamic coupling in lakes. *Nature* 427: 69-72.

Arhonditsis, G.B., M.T. Brett, C.L. DeGasperi and D.E. Schindler. 2004. Effects of climatic variability on the thermal properties of Lake Washington (USA). *Limnology and Oceanography* 49: 256-270.

Park, S.-K., M.T. Brett, D.C. Müller-Navarra, S.-C. Shin, A.M. Liston and C.R. Goldman. 2003. Heterotrophic nanoflagellates enhance the food quality of decaying *Microcystis* by upgrading essential fatty acids. *Aquatic Microbial Ecology* 33: 201-205.

Ravet, J.L., M.T. Brett, D.C. Müller-Navarra. 2003. A test of the role of polyunsaturated fatty acids in phytoplankton food quality for *Daphnia* using liposome supplementation. *Limnology and Oceanography* 48: 1938-1947.

Arhonditsis, G.B., M.T. Brett, and J.D. Frodge. 2003. Environmental control and limnological impacts of a large recurrent spring bloom in Lake Washington, USA. *Environmental Management* 31: 603-618.

Park, S.-K. , M.T. Brett, E. T. Oshel and C.R. Goldman. 2003. Seston food quality and *Daphnia* production efficiencies in an oligo-mesotrophic subalpine lake. *Aquatic Ecology* 37: 123-136.

- Ballantyne, A.P., M.T. Brett and D.E. Schindler. 2003. The importance of dietary phosphorus and highly unsaturated fatty acids for sockeye (*Oncorhynchus nerka*) growth in Lake Washington- a bioenergetics approach. *Canadian Journal of Fisheries and Aquatic Science* 60: 12-22.
- Park, S.-K., M.T. Brett, D.C. Müller-Navarra and C.R. Goldman. 2002. Essential fatty acid content and the phosphorus to carbon ratio in cultured algae as indicators of food quality for *Daphnia*. *Freshwater Biology* 47: 1377-1390.
- Higley, H.J. Carrick, M.T. Brett, C. Luecke, C.R. Goldman. 2001. The Effects of Ultraviolet Radiation and Nutrient Additions on Periphyton Biomass and Composition in a Sub-Alpine Lake (Castle Lake, USA). *Internat. Rev. Hydrobiol.* 86: 147-163.
- Brett, M.T., D. Müller-Navarra, and S.-K. Park. 2000. Empirical analysis of mineral P limitation's impact on algal food quality for freshwater zooplankton. *Limnology and Oceanography* 45: 1564-1575.
- Müller-Navarra, D.C., M.T. Brett, A. Liston and C.R. Goldman. 2000. A highly-unsaturated fatty acid predicts biomass transfer between primary producers and consumers. *Nature* 403: 74-77.
- Brett, M.T., F.S. Lubnow, M. Villar-Argaiz, C.R. Goldman and A. Müller-Solger. 1999. Nutrient control of bacterioplankton and phytoplankton dynamics. *Aquatic Ecology* 33: 135-145.
- Huovinen, P.S., M.T. Brett, and C.R. Goldman, C.R. 1999. Temporal and vertical dynamics of phytoplankton net growth in Castle Lake, California. *Journal of Plankton Research* 21: 373-385.
- Brett, M.T., and C.R. Goldman. 1997. Consumer versus resource control in freshwater pelagic food-webs. *Science* 275: 384-386.
- Brett, M.T., and D.C. Müller-Navarra. 1997. The role of essential fatty acids in aquatic food web processes. *Freshwater Biology* 38: 483-499.
- Turek, S. and M.T. Brett. 1997. Comment: Trout mortality from baited barbed and barbless hooks (and reply). *North American Journal of Fisheries Management* 17: 807.
- Müller-Solger, A., M.T. Brett, C. Luecke, J.J. Elser and C.R. Goldman. 1997. The effects of golden shiners on plankton community structure in Castle Lake, California. *Journal of Plankton Research* 19: 1815-1828.
- Brett, M.T., and C.R. Goldman. 1996. A meta-analysis of the freshwater trophic cascade. *Proceedings of the National Academy of Sciences, USA* 93: 7723-7726.
- Brett, M.T., C.R. Goldman, F.S. Lubnow, A. Bracher, D. Brandt, O. Brandt, A. Müller-Solger. 1995. Effects of a major soil fumigant spill on the planktonic ecosystem of Shasta Lake, California. *Canadian Journal Fisheries and Aquatic Sciences* 52: 1247-1256.

Elser, J.J., F.S. Lubnow, E.R. Marzolf, M.T. Brett, G. Dion, and C.R. Goldman. 1995. Factors associated with interannual and intraannual variation in nutrient limitation of phytoplankton growth in Castle Lake, California. *Canadian Journal of Fisheries and Aquatic Sciences* 52: 93-104.

Elser, J.J., C. Luecke, M.T. Brett, and C.R. Goldman. 1995. Effects of food-web compensation after manipulation of rainbow trout in an oligotrophic lake. *Ecology* 76: 52-69.

Brett, M.T., K. Wiackowski, F.S. Lubnow, A. Müller-Solger, J.J. Elser and C.R. Goldman. 1994. Species-dependent effects of zooplankton on planktonic ecosystem processes in Castle Lake, California. *Ecology* 75: 2243-2254.

Wiackowski, K., M.T. Brett, and C.R. Goldman. 1994. Differential effects of zooplankton species on ciliate community structure. *Limnology and Oceanography* 39: 486-492.

Brett, M.T. 1993. Comment on "Possibility of N or P limitation for planktonic cladocerans: An experimental test" (Urabe and Watanabe) and "Nutrient element limitation of zooplankton production" (Hessen). *Limnology and Oceanography* 38: 1333-1337.

Brett, M.T. 1993. Resource quality effects on *Daphnia longispina* maternal and neonate fitness. *Journal of Plankton Research* 15: 403-412.

Brett, M.T., L. Martin, and T.J. Kawecki. 1992. An experimental test of the egg-ratio method: estimated versus observed death rates. *Freshwater Biology* 28: 237-248.

Brett, M.T. 1992. *Chaoborus* and fish mediated influences on *Daphnia longispina* population structure, dynamics, and life history strategies. *Oecologia* 89: 69-77.

Lundstedt, L., and M.T. Brett. 1991. Differential growth rates of three cladoceran species in response to mono- and mixed-algal diets. *Limnology and Oceanography* 36: 159-165.

Ahlgren, G., L. Lundstedt, M. Brett, and C. Forsberg. 1990. Lipid composition and food quality of some freshwater phytoplankton for cladoceran zooplankters. *Journal of Plankton Research* 12: 809-818.

Brett, M.T. 1989. Zooplankton communities and acidification processes - A review. *Water, Air, and Soil Pollution* 44: 387-414.

Brett, M.T. 1989. The distribution of free-swimming macroinvertebrates in acidic lakes of Maine: the role of fish predation. *Aqua Fennica* 19: 113-118.

Brett, M.T. 1989. The rotifer communities of acid-stressed lakes of Maine. *Hydrobiologia* 186/187: 181-190.

Non-Refereed Publications

Brett, M.T., L. Brouwer, and L.A. Brett. 1999. Research productivity and reputational ratings at US

Ecology, Evolution and Behavior Programs. *Bulletin of Ecological Society of America* 80: 250-256.

Brett, M.T. 1997. Meta-analysis in ecology. *Bulletin of the Ecological Society of America* 78: 92-94.

Sponsored Research

While at UW

King County Water and Land Resources, Mechanistic phytoplankton modeling of Lakes Washington and Sammamish, (\$281,000), Oct. 1, 2000 to Sept. 30, 2003.

Washington State Department of Ecology, Assessing the relationship between point and non-point source nutrient loading and diurnal pH fluctuations in the White River, WA, (\$32,000) Oct. 1, 2000 to Sept. 30, 2001.

National Science Foundation, The role of fatty acids and limiting elements in biogeochemical cycling and food web dynamics, (\$480,000), Aug. 15, 2000 to Aug. 14, 2002. Brett is the PI, Goldman and Müller-Navarra of UC Davis are co-PIs.

King County Water and Land Resources, Developing a time series model to predict stream phosphorus export as a function of sub-watershed land use, (\$75,000), April 15, 2000 to Oct. 14, 2001.

The University of Washington Royalty Fund, A novel direct test of the HUFA limitation hypothesis for aquatic herbivore production, (\$26,000), April 15, 2000 to April 14, 2001.

US Bureau of Reclamation, A proposal to develop a long-term time series model of cold water accumulation in Shasta Lake, (\$75,000), Nov. 15, 1999 to Dec. 31, 2000.

City of Stanwood, Determining the Nutrient removal efficiency of the City of Stanwood constructed wetland for sewage lagoon effluent, (\$60,000), April 15, 1998 to Aug. 31, 2000.

While at UC Davis

National Science Foundation, Highly unsaturated fatty acids: The missing link in aquatic food webs? DEB-9615888 (\$400,000), Feb. 1, 1997 to Jan. 31, 2000. (90% effort, this refers to my relative effort in proposal preparation)

National Science Foundation, Assessing effects of food web structure on patterns of productivity and trophic transfer in lake food webs, DEB-9520214 (\$120,000), Oct. 1, 1995 to Sept. 30, 1997. (40% effort).

National Science Foundation, Interannual variability, food-web interactions and climatic forcing at Castle Lake, DEB-9420037, (\$280,001), Feb. 1, 1995 to Jan 31, 2000. (90% effort).

National Science Foundation, (90% effort), Equipment Supplement to Castle Lake Project, (\$25,000), Feb. 1 1993. (90% effort).

US Bureau of Reclamation, A Limnological Investigation of Temperature Control Devices Impact on

the Limnology of Whiskeytown Reservoir, (\$70,000). (90% effort).

US Bureau of Reclamation, A Limnological Investigation of Temperature Control Devices Impact on the Limnology of Shasta Lake - Sample and Data Analyses, (\$350,00). (50% effort).

McConnell Foundation, Environmental Center at Castle Lake, (\$41,000). (90% effort).

California Department of Fish and Game, A limnological investigation of the 1991 Cantara Spill's impact on Shasta Lake, (\$30,000). (90% effort).

California Department of Fish and Game, An investigation of the 1991 Cantara Spill's impact on the crayfish population of the upper Sacramento River, California. (\$60,000). (90% effort).

Project Reports (reports to sponsors)

Brett, M.T., C. Sarsfield, J. DeStaso, S. Duffy, and A. C. Heyvaert. 1998. Physical Forcing of Phytoplankton Bloom Dynamics in Shasta Lake, California: A Progress Report on the Study of Limnological Effects Following Installation of a Temperature Control Device. Report to the US Bureau of Reclamation.

Brett, M.T., and J.E. Reuter. 1997. An Analysis of the Pyramid Lake Lahontan Cutthroat Trout Nose-Tag Data Base. Report to Pyramid Lake Fisheries, Pyramid Lake Paiute Tribe.

Brett, M.T., C.R. Goldman, and S. Ayers. 1994. A limnological investigation of Whiskeytown Reservoir: potential impacts of temperature control curtains. Report to the US Bureau of Reclamation.

Brett, M.T., and C.R. Goldman. 1994. Crayfish population size and recolonization potential in the upper Sacramento River following the Cantara Vapam® spill, Report of 1993 field sampling. Report to the California Department of Fish and Game.

Brett, M.T., and C.R. Goldman. 1993. Crayfish population size and recolonization potential in the upper Sacramento River following the Cantara Vapam® spill. Report to the California Department of Fish and Game.

Brett, M.T., C.R. Goldman, and F.S. Lubnow. 1992. Effects of the Cantara Vapam® spill on the planktonic ecosystem of Shasta Lake. Report to the California Department of Fish and Game.

Other Research-Related Activities

Brett, M.T. 1998. Angling Mortality, Special Regulations and the Secret to Maintaining Quality Fisheries. Fly Fisherman, page 18-30, Feb. 1998 issue.

Brett, M.T. 1995. Castle Lake has record clarity. Mt. Shasta Herald. July 19, 1995.

Brett, M.T. 1994. Ongoing study keeps track of health of Castle Lake. The Dunsmuir News. Nov. 9, 1994.

Brett, M.T., et al. 1994. Cui-ui and ignorance. *California Flyfisher* July-August: 48-50. An article on a conflict over conserving an endangered nongame fish versus preserving a sport fishery.

Brett, M.T., et al. 1993. Welcome to Castle Lake. Interpretive brochure describing the natural history, aquatic ecology, and ongoing limnological research at Castle Lake, site of the University of California, Davis Limnological Research Station.

Invited Lectures, Seminars and Session Chairs

February 2003, invited by Derek Booth to be a Session Moderator at *Center for Water and Watershed Studies* annual meeting.

February 2003, an invited by Ken Ashley to be a speaker at the “Okanagan Lake nitrogen:phosphorus ratio adjustment project review workshop” held at University of British Columbia.

February, 2003, invited by the conference organizers of the *American Society of Limnology and Oceanography* annual meeting in Salt Lake City, Utah, to serve as a Session co-Chair.

January 2003, invited by Professor Danny Grunbaum to give a Oceanography Department “Biolunch” Seminar.

October 2002, invited by Professor Jeff Richey to give a Oceanography Department Seminar.

June 2002, Chaired a session (together with Michael Arts and Dörthe Müller-Navarra) titled “Lipids/Fatty Acids in Ecological Research” at the 2002 American Society of Limnology and Oceanography’s annual meeting held in Victoria, British Columbia, Canada.

April 2002, served as the keynote speaker at the Washington Lake Protection Association’s annual meeting held in Olympia Washington.

January 2001, invited by Susan Bolton to be a Session Moderator at *Center for Streamside Studies* annual meeting.

August 2000, selected by the UW president's office to be UW's representative to an Association of Pacific Rim Universities' conference on Watershed and Coastal Zone Management and Water Pollution Control, held in Seattle Washington and Bangkok, Thailand.

April, 2000, conference organizer for the Washington State Lake Protection Association annual meeting held at SeaTac, Washington.

March 2000, invited by the organizers of a USGS/Bureau of Reclamation workshop on reservoir ecology to give a keynote presentation at their Las Vegas, Nevada meeting.

January 2000, invited by Susan Bolton to be a Session Moderator at *Center for Streamside Studies* annual meeting.

December 1999, invited by the conference organizers of the *North American Society of Lake Management* 1999 annual meeting in Reno, Nevada to serve as a Session Chair.

August 1999, invited by the conference organizers of the ASCE Water Resources annual meeting held in Seattle, to moderate the session on environmental modeling.

January 1999, invited by Professor Thomas Quinn to give a Fisheries Department Thursday Afternoon Seminar.

January 1999, invited by Susan Bolton to be a Session Moderator at *Center for Streamside Studies* annual meeting.

April 1998, invited by Professor Susan Bolton to give a Center for Streamside Studies Tuesday Morning Seminar.

October 1997, invited by Ecology and Evolution seminar series organizers to give a seminar at University of California Davis.

July 1997, invited by Professor Donald Strong (assistant Director of the Bodega Marine Laboratory) to give a Department weekly seminar at the Bodega Marine Laboratory.

February 1997, invited by conference organizers of the *American Society of Limnology and Oceanography* 1997 meeting in Santa Fe, NM to serve as a session chair for 30 talks on food web dynamics.

January 1997, invited by Professor Mary Power, to give an *Ecolunch* seminar at the University of California Berkeley.

August 1996, invited by Professor Jessica Gurevitch (conference organizer) to give a talk in a special symposium on *Meta-analysis in Ecology* at the 1996 Ecological Society of America congress in Providence, Rhode Island.

July 1996, invited by Professor Jack Stanford (Head of the Flathead Lake Biological Station) to give a seminar at the University of Montana.

March 1996, invited by Professor Ramesh Gulati (Head of the Dutch Centre of Limnology) to give a review seminar and serve as session and discussion chair for an International Workshop on Zooplankton Food Quality held in Amsterdam.

January 1996, invited by Professor Chris Luecke to give a seminar at Utah State University.

Presentations Given at Conferences (since Dec. 1997)

Brett, M.T. et al. "Biochemical control of herbivorous zooplankton growth: *Daphnia pulex* responses to natural seston composition" Presented February, 2003, in Salt lake City at the American Society of Limnology and Oceanography's annual meeting. I was also a co-

author on three student/postdoc papers at this conference.

Brett, M.T. and M. Danielsdottir. "Algal food quality control of the strength of aquatic food web interactions". Presented June, 2002, in Victoria, British Columbia, Canada at the American Society of Limnology and Oceanography's annual meeting. I was also a co-author on four student papers at this conference.

Brett, M.T. and the WALPA Board. "The Washington Lake Protection Association (WALPA) survey: lake user opinions on lake conservation". Presented April 2002, in Olympia Washington at the Washington Lake Protection Association's annual meeting.

Brett, M.T. et al. "The impacts of urbanization on Seattle area stream water quality". Presented February, 2002, in Seattle, Washington, at the Center for Streamside Studies annual statewide conference.

Brett, M.T., et al. "How lakes work: a general overview of limnology for the lake association member". Presented April, 2000, in SeaTac, Washington at the Washington State Lake Protection Association annual meeting.

Brett, M.T., et al. "The role of algal food quality in planktonic food web processes". Presented April, 2000, in SeaTac, Washington at the Washington State Lake Protection Association annual meeting. I was also a co-author on three student papers at this conference.

Brett, M.T., et al. "An empirical analysis of mineral P limitation's impact on algal food quality for freshwater zooplankton". Presented February, 1999, in Santa Fe, New Mexico at the American Society of Limnology and Oceanography annual winter meeting. I was also a co-author on four student papers at this conference.

Brett, M.T. "Phytoplankton's role in the food web". Presented April, 1999, in Spokane, Washington at the Washington State Lake Protection Association annual meeting. I was also a co-author on four student papers at this conference.

Brett, M.T., et al. "The Impact of Water Column Mixing on Phytoplankton Dynamics in Shasta Lake, California" Presented December, 1999, in Reno Nevada at the North American Lake Management Society annual meeting. I was also a co-author on three student papers at this conference. My students Daniel Nickel and Bernadette Kenworthy (who is primarily advised by Jean Jacoby) won the student poster and talk competitions, respectively, at this meeting.

Brett, M.T. "Food web control of algal biomass". Presented April, 1998, in Issaquah, Washington at the Washington State Lake Protection Association annual meeting.

Brett, M.T., et al. "The impact of warming on the long term primary production dynamics of a subalpine lake". Presented June, 1998, in St. Louis, Missouri at the American Society of

Limnology and Oceanography annual summer meeting. I was also a co-author on two student papers at this conference.

Brett, M.T., et al. "The impact of climate on primary on primary production in Castle Lake, California". Presented August, 1998, in Dublin, Ireland at the International Society of Limnology tri-annual meeting.

Brett, M.T., et al. "Temperature control curtain impacts on the limnology of Whiskeytown Reservoir". Presented December, 1997, in Houston Texas at the North American Lake Management Society annual meeting.

Professional Society Membership

North American Lake Management Society

American Society of Limnology and Oceanography

International Society of Limnology

Washington State Lake Protection Association

Ecological Society of America

Reviews Done

I typically review \approx 10 manuscripts and 5 proposals/year. I have reviewed papers for:

Ambio, American Naturalist, Aquatic Ecology, Aquatic Microbial Ecology, Aquatic Sciences, Archiv für Hydrobiologie, Canadian Journal of Fisheries and Aquatic Sciences, Ecology, Ecology Letters, Ecology of Freshwater Fish, Fisheries, Freshwater Biology, International Association of Theoretical and Applied Limnology, Journal of Environmental Quality, Journal of Fish Biology, Journal of Great Lakes Research, Journal of Lake and Reservoir Management, Journal of the American Water Resources Association, Journal of the North American Benthological Society, Journal of Theoretical Biology, Limnology and Oceanography, Marine and Freshwater Research, Nature, North American Journal of Fisheries Management, Oecologia, Science, Transactions of the American Fisheries Society, Water Resources Research

I have read proposals for:

National Science Foundation, Swiss National Science Foundation, Natural Environmental Research Council (UK), National Research Council, Vermont Sea Grant, Maryland Sea Grant

Awards and Honors

Fulbright Graduate Student Fellowship, carried out at the Institute of Limnology, Uppsala University, September 1985-December 1986.

Teaching

Course	Quarter	No. of Students	Course Title	Instructor's Avg. of Items 1-4
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CEE 350	S03	85	Environmental Engineering	4.27
CEE 547	W03	12	Lake and Watershed Management	3.91
CEE 462	F02	36	Wastewater Impacts on Lakes	4.28
CEE 547	W02	8	Lake and Watershed Management	4.06
CEE 462	F01	37	Wastewater Impacts on Lakes	4.64
CEE 350	S01	65	Environmental Engineering	4.07
CEE 547	W01	14	Lake and Watershed Management	4.07
CIVE 462	F00	39	Wastewater Impacts on Lakes	4.21
CEWA 559	S00	10	Lake and Watershed Management	4.25
CIVE 350	W00	35	Environmental Engineering	4.01
CIVE 462	F99	30	Wastewater Impacts on Lakes	4.14
CEWA 559	S99	18	Lake and Watershed Management	3.10
CIVE 350	W99	49	Environmental Engineering	4.03
CIVE 462	F98	40	Wastewater Impacts on Lakes	4.27
CEWA 553	S98	18	Ad. Topics, Lakes & Streams	3.93
CIVE 350	W98	57	Environmental Engineering	2.98

Currently Chaired Master Committees

Dalius Gilvydis, non-thesis MSCE completed Spring 1999
 Kurt Marx, MSCE, completed Summer 1999
 Brian Huser, MSCE, completed Fall 1999
 Donna Podger, MSc, completed Fall 1999
 Paul Conrecode, non-thesis MSc completed Fall 1999
 Stephanie Brock, non-thesis MSc completed Fall 1999
 Bernadette Kenworthy, MSE completed Summer 2000
 Ashley Ballantyne, MSc completed Fall 2000
 Lenore Jensen, MSc completed Fall 2000
 Daniel Nickel, MSc completed Fall 2000
 Marta Danielsdottir, MSE completed Fall 2001
 Lynne Melder, MSE non-thesis completed Spring 2002
 Derek Stuart, MSCE completed Summer 2002
 Sara Stanley, MSCE completed Fall 2002
 Joseph Ravet, MSE completed Fall 2002
 Ben Brattebo, MSCE expected completion Spring 2003
 Micaela Ellison, MSE expected completion Spring 2004

Currently Chaired Ph.D Committee

Joseph Ravet (started Fall 2002)

Other Student Supervision (service on graduate degree committees)

Ph.D. Committees

April Gu
 Seung-Bong Lee
 Karen Comings
 Janna Pietari
 Siwei Zou

Gro Ofjord
 Carol Volk (Forestry)
 Casey Rice (Fisheries)
 Mindy Roberts

M.S. Committees

Craig Dobberstein,
 Cheryl Stadlman
 Diane Roberts
 Clair Yoder
 Sara Chan

Departmental Service

Departmental COE open house co-organizer 1998
 Served on two Department Search Committees 1998/1999
 Served as the Dept's representative to the COE College Council 1999-2001 academic years
 Served as COE's rep. to the Grants & Contracts Initiative committee 2001-present
 Departmental COE open house organizer 2002

During the last two years I have also devoted considerable time to the Eng 100 exchange course between UW and Sichuan University. As part of this exchange program I teach an extra "studio course" for 3-4 freshmen each fall, and supervise their and the sophomore students group projects the remainder of the year. The exchange also requires me to travel to Sichuan University approximately once per year.

Professional Service

I was one of seven national panelists who reviewed the US EPA's Western Ecology Division. This research facility review was held Aug. 26th-29th in Corvallis, OR.

I served as one of nine external reviewers of the National Academy of Sciences report titled "Scientific Evaluation of Biological Opinions on Endangered and Threatened Fishes in the Klamath River Basin: Interim Report (2002)" and related documents.

I was on the Organizing Committee for the American Society of Limnology and Oceanography's annual meeting held June 10-14, 2002 in Victoria, British Columbia, Canada.