Peter J Lisi

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##### EDUCATION

2009 – June 2014, PhD School of Aquatic and Fishery Sciences (SAFS), University of Washington. “Watershed controls on stream thermal regimes: effects on salmon spawn timing and species interactions”.

2006 University of Wisconsin. B.S. in Biology w/ distinction 3.78/4.0

**PROFESSIONAL EXPERIENCE**

2014 *Postdoctoral researcher*, University of Wisconsin.

Conservation of native stream gobies in the Hawaiian Archipelago

Supervisor: Peter McIntyre. Madison, WI.

2009-2014 *Graduate Research Assistant*, SAFS University of Washington.

Supervisor: Daniel Schindler. Seattle WA.

Teaching assistant Limnology (Fish/Biol 473) Fall 2009 and 2010.

2010 *Commercial Fisheries Field Technician.* Alaska Department of Fish and Game

Mixed genetic stock analysis of early migration in the general fishing district of Bristol Bay, AK

PI: Jim and Lisa Seeb. UW; Tim Baker ADF&G King Salmon AK

2006-9 *Research Associate,* SAFS University of Washington.

Lake sediment reconstructions of Pacific salmon runs across the Pacific Northwest and Alaska.

Long-term monitoring of factors affecting sockeye salmon production.

PI: Daniel Schindler. Seattle WA

2005 *Undergraduate research technician*. University of Wisconsin Trophic Cascade Program

Terrestrial support of aquatic food webs with a whole-lake addition of stable C isotopes

PI: Steve Carpenter Madison WI

**PUBLICATIONS**

**Lisi, P. J.,** D.E. Schindler, T. J. Cline, M. D. Scheuerell, and P. B. Walsh. Topography and snowmelt control stream thermal response to air temperature. *Geophysical Research Letters* (*in Review*).

**Lisi, P. J.** and D.E. Schindler. Destabilization of river thermal regimes by wind action on upstream lakes. *Limnology and Oceanography* (*In Press*).

Jankowski, K. J., D. E. Schindler, and **P.J. Lisi**. Temperature sensitivity of community respiration rates in streams is associated with watershed geomorphic features. *Ecology* (*In Press*)

**Lisi, P. J**., K. T. Bentley, J. B. Armstrong, and D. E. Schindler. 2013. Episodic predation of mammals by stream fishes in a boreal river basin. *Ecology of Freshwater Fish*:1–9.

Rogers, L. A, D. E. Schindler, **P. J. Lisi**, G. W. Holtgrieve, P. R. Leavitt, L. Bunting, B. P. Finney, D. T. Selbie, G. Chen, I. Gregory-Eaves, M. J. Lisac, and P. B. Walsh. 2013. Centennial-scale fluctuations and regional complexity characterize Pacific salmon population dynamics over the past five centuries. *PNAS* 110:1750–1755.

**Lisi, P. J.,** D. E. Schindler, K. T. Bentley, and G. R. Pess. 2013. Association between geomorphic attributes of watersheds, water temperature, and salmon spawn timing in Alaskan streams. *Geomorphology* 185:78–86.

Schindler, D. E., J. B. Armstrong, K. T. Bentley, K. Jankowski, **P. J. Lisi**, and L. X. Payne. 2013. Riding the crimson tide: mobile terrestrial consumers track phenological variation in spawning of an anadromous fish. *Biology Letters* 9:1–4.

Bentley, K. T., D. E. Schindler, J. B. Armstrong, R. Zhang, C. P. Ruff, and **P. J. Lisi.** 2012. Foraging and growth responses of stream-dwelling fishes to inter-annual variation in a pulsed resource subsidy. *Ecosphere* 3:1–17.

Schindler, D. E., J. L. Carter, T. B. Francis, **P. J. Lisi,** P. J. Askey, and D. C. Sebastian. 2012. Mysis in the Okanagan Lake food web: a time-series analysis of interaction strengths in an invaded plankton community. *Aquatic Ecology* 46:215–227.

Holtgrieve, G. W., D. E. Schindler, W. O. Hobbs, P. R. Leavitt, E. J. Ward, L. Bunting, G. Chen, B. P. Finney, I. Gregory-Eaves, S. Holmgren, M. J. Lisac, **P. J. Lisi**, K. Nydick, L. A. Rogers, J. E. Saros, D. T. Selbie, M. D. Shapley, P. B. Walsh, and A. P. Wolfe. 2011. A Coherent Signature of Anthropogenic Nitrogen Deposition to Remote Watersheds of the Northern Hemisphere. *Science* 334:1545–1548.

**Lisi, P. J.,** and D. E. Schindler. 2011. Spatial variation in timing of marine subsidies influences riparian phenology through a plant-pollinator mutualism. *Ecosphere* 2:1–13.

Holtgrieve, G. W., D. E. Schindler, C. P. Gowell, C. P. Ruff, and **P. J. Lisi**. 2010. Stream geomorphology regulates the effects on periphyton of ecosystem engineering and nutrient enrichment by Pacific salmon. *Freshwater Biology* 55:2598–2611.

**PRESENTATIONS**

2014Shared trends in water clarity among neighboring lakes in NW Wisconsin

Science in the North-Woods. Boulder Junction, WI.

2014 Quantifying coordinated thermal responses in the tributaries of river basins

Joint Aquatic Sciences Meeting. Portland, OR.

2013 Watershed filtering of climate produces heterogeneity in stream thermal regimes.

ESA annual meeting Minneapolis MN.

2013 Controls on thermal heterogeneity in coastal Alaskan watersheds and implications for fish and wildlife Alaska LCC Webinar. –Broadcasted live– Seattle WA.

2013 The importance of hydrologic variation to the spawning phenology of salmon and species they support in river systems. The Water Seminar – Seattle WA

2012 How geomorphic characteristics influence stream thermal regimes: consequences for

salmon spawn-timing and the species they support in river systems.

AFS Alaska Chapter annual meeting Kodiak AK.

2012 Landscape characteristics drive the schedule of salmon subsidies and species they

support in terrestrial ecosystems. ESA annual meeting Portland OR.

2012 Geomorphic controls and biological responses to water source in salmon streams.

WAISC annual meeting Dillingham AK.

2012 Shrew consumption by large Arctic grayling and rainbow trout.

SWIM annual meeting. Dillingham AK

2011 Spawning in the Rain. Geomorphic controls and biological responses to water source in Alaska Salmon bearing streams. ASLO annual meeting. San Juan, PR.

2006 Compensatory mechanisms behind cyclic dominance in Pacific Salmon.

Alaska Salmon Program annual meeting Seattle WA

**AWARDS, GRANTS & FELLOWSHIPS**

2012 Ecological Society of America Aquatic Section travel award.

2011 Dean’s visualization award: Beautiful Graphics in R.

2011 National Science Foundation Graduate Student Fellowship (3 yrs support)

2011 Western Alaska Landscape Cooperative Grant. Watershed Control of Hydrologic

Sources and Thermal Conditions in SW Alaska Streams: PI: Daniel Schindler

2010 School of Aquatic and Fisheries Sciences FINS travel award.

2005 National Science Foundation Research Experience for Undergraduates

**PROFESSIONAL MEMBERSHIPS**

American Society of Limnology and Oceanography, Ecological Society of America, North American Benthological Society, American Fisheries Society